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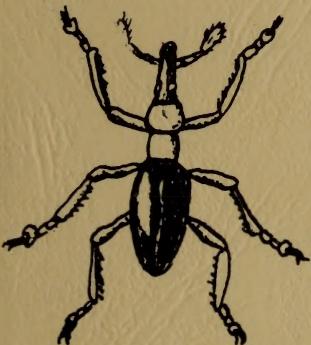
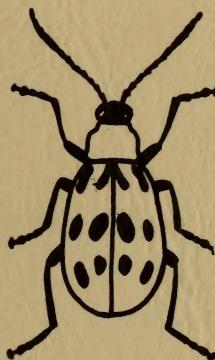
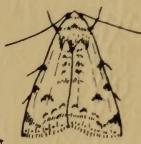
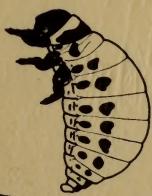
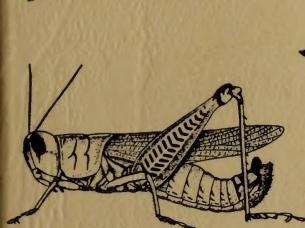
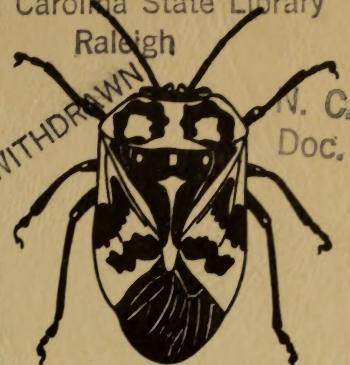
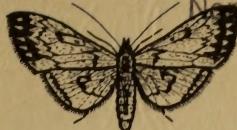
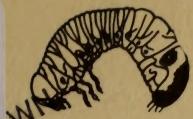
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North Carolina
INSECTICIDE REPORT
for 1968



THE BULLETIN

of the

North Carolina Department of Agriculture

JAMES A. GRAHAM, *Commissioner*

Number 195

June, 1969

North Carolina
INSECTICIDE REPORT

for
January 1-December 31, 1968



THE BULLETIN
of the

North Carolina Department of Agriculture
Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN L. REITZEL, *Assistant Commissioner*

E. W. CONSTABLE, *Staff Chemist*

WILLIAM B. BUFFALOE, *Pesticide Chemist*

Number 195

June, 1969

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Inspection and Analysis of Economic Poisons

Economic poisons or pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellants, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants and disinfectants.

An adequate and reliable supply of these products is as indispensable as is fertilizer in the production of food and fiber crops. Weed killers and defoliants are important adjuncts. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While encouraging the development and distribution of reliable products to serve these needs, and with due regard for public health and welfare, it is the purpose of the economic poisons law (the North Carolina Insecticide, Fungicide and Rodenticide Act of 1947, G. S. Article 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition. Among other requirements, the law authorizes inspections, analyses of official samples taken from products offered for sale within the state and publication of the results. With other pertinent information there is given in this issue of The Bulletin a list of registrants, a summary of registrations and detailed results of analyses of official samples taken throughout the state by inspectors of the department for the calendar year 1968. Included also are the North Carolina Aerial Crop-Dusting Law, regulations and registrants under that law, for 1968.

Before any brand of economic poison can be legally offered for sale in the state, it is required that it be registered with the Department of Agriculture. Application forms, furnished by the department, must be submitted in triplicate with copy of all labeling and claims. Applications must be accompanied by an inspection fee of ten dollars per brand and grade, payable to the North Carolina Department of Agriculture. All registrations expire December 31 of each year and are subject to re-registration with annual payment of inspection fees. Requirements are given in fuller detail in the "Brief of North Carolina Insecticide Law" on pages 7 and 8. Copies of the law and related regulations are available on request.

A statewide inspection service is maintained for the collection of official samples of economic poisons from farms, other users and dealers. Individual requests for inspections are followed up promptly.

Samples are sent to the department's laboratories for analysis and as soon as this work is completed, individual reports are forwarded to manufacturers, dealers and users. As a further means of reporting, an issue of The Bulletin covering a year's work as exemplified herewith, is published annually.

The economic poisons law gives control officials certain discretionary authority in dealing with borderline cases. The earnest cooperation of a great majority of manufacturers and dealers has been a valuable asset in the administration of the law.

Cooperative work by staff members of the North Carolina Experiment Station and Extension Service has been mutually beneficial and most helpful. Credit also is due members of the laboratory section for the highly satisfactory manner in which analytical work has been carried out: R. T. Teague, Assistant State Chemist; William Buffaloe, Pesticide Chemist; Billy Crawford, Jerry Dismukes, Dwight Lowie, Thomas Vick, James Watson, Chemists; Mrs. Betty Griffin, Secretary; James R. Stevens, Chief Feed, Fertilizer & Pesticide Inspector; Henry O. Austin, A. G. Campbell, Jr., H. C. McPhail, Thomas M. Parker, Carl Williams, Inspectors; Sam Hinton, Laboratory Helper.

Brief of North Carolina Insecticide Law

- Commissioner of Agriculture, Raleigh, North Carolina. Administrative Officer
1. The name and address of the guarantor.
 2. The brand name or trademark.
 3. The net weight or measure.
 4. A guaranteed analysis statement showing:
 - a. The name and percentage of each active ingredient.
 - b. The total percentage of inert ingredients.
 5. Instruction for use, adequate for protection of the public.
 6. A warning or caution statement adequate to prevent injury.
 7. For economic poisons highly toxic to man:
 - a. The skull and crossbones.
 - b. The word "Poison" in red, on distinctly contrasting background.
 - c. An antidote for the poison.
 8. When arsenic is present—the percentage of the total and of the water-soluble arsenic separately and as elemental (metallic) arsenic.

Information
Required to
Appear on
Package
Labels

Other General Requirements

1. Strength and quality must not fall below that professed or claimed.
2. No false or misleading statements, design or other representation is permissible.
3. Imitations are not permitted.
4. Labeling may not refer to registration.
5. Labeling shall be legible and understandable.
6. Claims or directions for use may not deviate in substance, or composition vary, from representations made on registering.
7. Economic poisons must be sold in the registrant's or manufacturer's original package. If repackaged for sale, it loses its original identity and qualifies as a new product. As such it is subject to registra-

General
Requirements

tion and all other provisions of the law. Responsibility rests on the repackaging agent.

8. Economic poisons in powdered form of white or light color require distinct further coloring for safety.

Each brand and grade of economic poisons must be registered prior to sale (application forms are furnished by the department), subject to renewal annually, January 1st. Duplication of registration by secondary sellers is not required.

Application must be accompanied by full information (see package labeling above), including specimen of labeling, all claims, and, if called for, certain additional data when necessary in qualifying the product.

An annual inspection tax of \$10.00 for each brand and each grade is required.

Inspection tax must accompany application for registration, payable to the North Carolina Department of Agriculture.

Registration is subject to refusal or cancellation for cause and upon hearing.

Goods not measuring up to requirements are subject to Stop-Sale Orders.

Short weight, in addition to above, is subject to penalty.

Registration

Inspection
Tax

Method of
Paying

Refusal or
Cancellation of
Registration

Stop-Sale
Orders

Short Weight

Exempt from Penalties of Law Are:

1. Carriers engaged in legal transporting.
2. Public officials while performing official duties.
3. Manufacturers and shippers of products properly identified for experimental use only.
4. Persons shown to be proceeding in good faith on guarantees and representations given by others. The original guarantor then is liable.

Exemptions

NOTE: Copies of the economic poisons law may be obtained upon request to the Inspection Division, North Carolina Department of Agriculture, Raleigh, North Carolina.

Economic Poisons Registrants, 1968

A-M-R CHEMICAL COMPANY, INC.
115 Jacobus Avenue
South Kearny, New Jersey 07032

A & P TEA COMPANY, INC., THE GREAT
2024 Thrift Road
Charlotte, North Carolina 28201

ABCO, INC.
R. D. No. 3
Irwin, Pennsylvania 15642

ACELINE PRODUCTS CORPORATION
27 Gorham Street
Rochester, New York 14605

ACME INSECTICIDE DIVISION
Acme Quality Paints, Inc.
Detroit, Michigan 48211

ADKINS-PHELPS COMPANY
313 East 4th Street
North Little Rock, Arkansas 72119

AERO-MASTER, INC.
325 West Pacific Avenue
St. Louis, Missouri 63119

AEROSOL CORPORATION OF AMERICA
212 Worcester Street
Wellesley Hills, Massachusetts 02181

AEROSOL SPECIALTIES DEPARTMENT
1010 Atlantic Street
Bridgeport, Connecticut 06605

AIRKEM
A Division of Airwick Industries, Inc.
111 Commerce Road
Carlstadt, New Jersey 07072

AIROSOL COMPANY, INC.
525 North 11th Street
Neodesha, Kansas 66757

ALADDIN PRODUCTS
3786 Northeast Expressway
Atlanta, Georgia 30340

ALCO CHEMICAL COMPANY
19220 Pioneer Boulevard
Artesia, California 90701

ALFCO ROKEBY COMPANY, INC.
2nd Street at St. Clair Street
Marietta, Ohio 45750

ALFORD HOME PRODUCTS
P. O. Box 239
Middlesex, North Carolina 27557

ALLIED CHEMICAL CORPORATION
Agricultural Division
40 Rector Street
New York, New York 10006

ALLIED DRUG PRODUCTS COMPANY
1601 Gulf Street, P. O. Box 871
Chattanooga, Tennessee 37401

ALLIED MILLS, INC.
P. O. Box 459
Libertyville, Illinois 60048

ALLIED NATIONAL PRODUCTS, INC.
235 North Artesian Avenue
Chicago, Illinois 60612

AMCHEM PRODUCTS, INC.
Brookside Avenue
Ambler, Pennsylvania 19002

AMERICAN CANDLE COMPANY, INC.
500 Dumont Avenue
Brooklyn, New York 11207

AMERICAN CYANAMID COMPANY
P. O. Box 400
Princeton, New Jersey 08540

AMERICAN CYANAMID COMPANY
Davis and Geck Division
One Casper Street
Danbury, Connecticut 06810

AMERICAN CYANAMID COMPANY
Berdan Avenue
Wayne, New Jersey 07470

AMERICAN MACHINERY CORPORATION
P. O. Box 3228
Orlando, Florida 32802

AMERICAN MINERAL SPIRITS
COMPANY
A Division of Union Oil Company of
California
3100 South Meacham Road
Palatine, Illinois 60067

AMERICAN PAPER AND PLASTIC
PRODUCTS, INC.
4425 North Port Washington Road
Milwaukee, Wisconsin 53212

AMERICAN STERILIZER COMPANY
2424 West 23rd Street
Erie, Pennsylvania 16512

AMWAY CORPORATION
7575 East Fulton Road
Ada, Michigan 49301

ANIMAL REPELLENTS, INC.
980 Elicott Street
Buffalo, New York 14209

ANSUL COMPANY, THE
One Stanton Street
Marinette, Wisconsin 54143

APEX CHEMICAL COMPANY
617 Salem Street
Apex, North Carolina 27502

AQUATECH CORPORATION
6020 East Speedway
Tucson, Arizona 85716

ARBROOK
Division of Ethicon, Inc.
Route 22
Somerville, New Jersey 08876

ARLAN'S DEPARTMENT STORES, INC.
New York
New York

ARMOUR AGRICULTURAL CHEMICAL
COMPANY
(Now: USS Agri-Chemicals, Inc.)
Box 1380
Wilmington, North Carolina 28401

- ARMOUR AND COMPANY**
100 South Wacker Drive, Box 4309
Chicago, Illinois 60680
- ARNOTT EXTERMINATORS, INC.**
353 Massachusetts Avenue
Indianapolis, Indiana 46204
- ASPDEN ASSOCIATES, INC.**
1003 Battleground Avenue, P. O. Box 1737
Greensboro, North Carolina 27402
- ATLA CHEMICAL COMPANY, INC.**
P. O. Box 22
Summerfield, North Carolina 27358
- AVRIL, INC.**
Third and Greenwich Streets
Reading, Pennsylvania 19601
- AYERST LABORATORIES, INC.**
685 Third Avenue
New York, New York 10017
- BARKER MOORE AND MEIN COMPANY, INC.**
P. O. Box 12
Lebanon, Pennsylvania 17042
- BARNES-HIND PHARMACEUTICALS, INC.**
895 Kifer Road
Sunnyvale, California 94086
- BEN VENUE LABORATORIES, INC.**
270 Northfield Road
Bedford, Ohio 44146
- BERLOU MANUFACTURING COMPANY**
421 Monroe Street
Marion, Ohio 43302
- BEST ENTERPRISES, LTD.**
2700 Hillsborough Road
Durham, North Carolina 27705
- BEST, G. W.**
Franklinton, North Carolina 27525
- BIG STAR FOODS**
P. O. Box 4358
Atlanta, Georgia 30302
- BIO-LAB, INC.**
P. O. Box 1489
Decatur, Georgia 30031
- BISSELL, INC.**
919-18th Street, N.W.
Washington, D. C. 20006
- BLACK LEAF PRODUCTS COMPANY**
6147 North Broadway
Chicago, Illinois 60626
- BLACK MAGIC COMPANY**
P. O. Box 466
Valdosta, Georgia 31601
- BLUE CHEMICAL COMPANY, INC.**
P. O. Box 36
Fairfax, South Carolina 29827
- BLUE MAGIC COMPANY OF NORTH CAROLINA, INC.**
509 South Lodge Street
Wilson, North Carolina 27893
- BOHLENDER PLANT CHEMICALS, INC.**
Box 227
Tipp City, Ohio 45371
- BONIDE CHEMICAL COMPANY, INC.**
382 North Genesee Street
Utica, New York 13502
- BORDEN CHEMICAL COMPANY, THE**
Smith-Douglass Division
P. O. Box 419
Norfolk, Virginia 23501
- BORDEN CHEMICAL COMPANY, THE**
Tykor Products Department
350 Madison Avenue
New York, New York 10017
- BORDERLAND PRODUCTS, INC.**
560 Fulton Street, Box 366
Buffalo, New York 14240
- BOYER CHEMICAL COMPANY**
1611 Church Street
Evanston, Illinois 60204
- BOYLE-MIDWAY, INC.**
685 Third Avenue
New York, New York 10017
- BROWN MANUFACTURING COMPANY**
1-3 Church Street
Le Roy, New York 14482
- CALUMET DIVISION**
Calumet and Hecla Corporation
1 Calumet Avenue
Calumet, Michigan 49913
- CAMBRIDGE TILE MANUFACTURING COMPANY, THE**
145 Caldwell Drive
Cincinnati, Ohio 45215
- CANAAN PRODUCTS, INC.**
105 Hudson Street
Jersey City, New Jersey 07302
- CANDLE-LITE, INC.**
9213 Blue Ash Road
Cincinnati, Ohio 45242
- CAPE FEAR CHEMICALS, INC.**
P. O. Box 695
Elizabethtown, North Carolina 28337
- CAPITOL CHEMICAL COMPANY**
5455 Butler Road
Washington, D. C. 20016
- CARAJON CHEMICAL COMPANY, INC.**
P. O. Box 167, 505 South Division
Fremont, Michigan 49412
- CARBOLA CHEMICAL COMPANY, INC.**
Natural Bridge, New York 13665
- CARBOLINEUM WOOD PRESERVING COMPANY**
6683 North 40th Street
Milwaukee, Wisconsin 53209
- CARDINAL PRODUCTS CORPORATION**
80 N. W. 73rd Street
Miami, Florida 33150
- CARMEL CHEMICAL CORPORATION**
P. O. Box 406
Westfield, Indiana 46074
- CAROLINA CHEMICAL CORPORATION**
P. O. Box 70
Wilson, North Carolina 27893

- CAROLINA CHEMICALS, INC.
P. O. Box 118, Columbia Airport
West Columbia, South Carolina 29169
- CAROLINA GARDEN AND FARM SERVICE, INC.
279 East Main Avenue
Gaston, North Carolina 28052
- CARTER INSECTICIDE AND CHEMICAL COMPANY, INC.
126 West Southerton
Wallace, North Carolina 28466
- CELOTEX CORPORATION, THE
1500 North Dale Mabry
Tampa, Florida 33607
- CENTER CHEMICAL COMPANY
P. O. Box 1888
Atlanta, Georgia 30301
- CENTRAL SOYA
300 Ft. Wayne Bank Building
Fort Wayne, Indiana 46802
- CERTIFIED LABORATORIES, INC.
P. O. Box 2493
Fort Worth, Texas 76101
- CHAPMAN CHEMICAL COMPANY
416 Brooks Road
Memphis, Tennessee 38109
- CHARLES, JOHN COMPANY
1513 Plaza del Amo
Torrance, California 90501
- CHASE PRODUCTS COMPANY
(and/or S & S Products Division)
19th and Gardner Road
Broadview, Illinois 60153
- CHEMAGRO CORPORATION
P. O. Box 4913
Kansas City, Missouri 64109
- CESSCO, INC.
(Chemical and Equipment Sales and Service Company)
P. O. Box 12452, 3534 Central Avenue
Charlotte, North Carolina 28205
- CHEMICAL INSECTICIDE CORPORATION
30 Whitman Avenue
Metuchen, New Jersey 08840
- CHEMWAY CORPORATION
Fairfield Road
Wayne, New Jersey 07470
- CHESTER CHEMICAL CORPORATION
2732 Sixth Avenue, South
St. Petersburg, Florida 33712
- CHEVRON CHEMICAL COMPANY
Ortho Division
940 Hensley
Richmond, California 94804
- CHIPMAN CHEMICAL COMPANY, INC.
P. O. Box 1065
Burlingame, California 94011
(Now: Rhodia, Inc.—Chipman Division)
- CIBA AGROCHEMICAL COMPANY
556 Morris Avenue
Summit, New Jersey 07901
- CLARKE AND PROCTOR TURPENTINE COMPANY, INC.
331-349 Worth Street, P. O. Box 194
Fayetteville, North Carolina 28302
- CLASSIC PRODUCTS OF EDENTON
219 West Carteret Street
Edenton, North Carolina 27932
- CLEAN HOME PRODUCTS, INC.
2805 Locust Street
St. Louis, Missouri 63103
- CLEARY, W. A. CORPORATION
P. O. Box 749
New Brunswick, New Jersey 08903
- CLIMALENE COMPANY, THE
1022 Ninth Street, S.W.
Canton, Ohio 44707
- CLINE-BUCKNER, INC.
439 East Carlin Avenue
Compton, California 90224
- CLOROX COMPANY, THE
850—42nd Avenue
Oakland, California 94601
- COAHOMA CHEMICAL COMPANY, INC.
Box 550
Clarksdale, Mississippi 38614
- COASTAL CHEMICAL CORPORATION
P. O. Box 856
Greenville, North Carolina 27834
- COLGATE-PALMOLIVE COMPANY
105 Hudson Street
Jersey City, New Jersey 07302
- COLONIAL PRODUCTS, INC.
1830-13th Avenue, N.
Lake Worth, Florida 33460
- COLONIAL STORES, INC.
P. O. Box 4358
Atlanta, Georgia 30302
- COLUMBIA NITROGEN CORPORATION
P. O. Box 1483
Augusta, Georgia 30903
- COMET MANUFACTURING CORPORATION
1381 Dalton Drive, N.E.
Atlanta, Georgia 30306
- COMMON SENSE MANUFACTURING COMPANY, INC.
1392 Niagara Street
Buffalo, New York 14213
- COMMUNITY CASH STORES
Spartanburg, South Carolina
- CONSOLIDATED PAINT AND VARNISH CORPORATION
East Ohio Building
Cleveland, Ohio 44114
- COOK CHEMICAL COMPANY
2500 Summit
Kansas City, Missouri 64141
- COOK, THOMAS E. CHEMICAL COMPANY
305 North Main Street
Springfield, Tennessee 37172

- COOPER, WILLIAM AND NEPHEWS, INC.**
1909 North Clifton Avenue
Chicago, Illinois 60614
- COPPER BRITE, INC.**
5147 West Jefferson Boulevard
Los Angeles, California 90016
- COSSMAN AND LEVINE, INC.**
1238 North Highland Avenue
Hollywood, California 90038
- COTTER AND COMPANY**
19th and Gardner Road
Broadview, Illinois 60153
- COTTON PRODUCERS ASSOCIATION**
Atlanta, Georgia
- COUGHLAN, G. N. COMPANY, INC.**
29 Spring Street
West Orange, New Jersey 07052
(Now: Miracle Adhesives Corporation)
- COWLEY, S. L. AND SONS MANUFACTURING COMPANY, INC.**
708 West McAlester Street
Hugo, Oklahoma 74743
- CRE O TOX CHEMICAL PRODUCTS COMPANY**
2670 Broad Avenue
Memphis, Tennessee 38112
- CUMBERLAND MANUFACTURING COMPANY**
Box 676, 501-25th Avenue, North
Nashville, Tennessee 37202
- CURRAN, FRANK J. COMPANY**
8101 South Lemont Road
Downers Grove, Illinois 60515
- CUTTER LABORATORIES, INC.**
4th and Parker
Berkeley, California 94710
- DADANT AND SONS, INC.**
Hamilton, Ohio 62341
- DAIRY ASSOCIATION COMPANY, INC.**
Lyndonville, Vermont 05851
- DALE CHEMICAL COMPANY**
4044 Park Avenue
St. Louis, Missouri 63110
- DALY-HERRING COMPANY**
Neuse Road
Kinston, North Carolina 28501
- DARWORTH, INC.**
660 Hopmeadow Street
Simsbury, Connecticut 06070
- DAUBERT CHEMICAL COMPANY**
2000 Spring Road
Oak Brook, Illinois 60521
- DAVIES-YOUNG SOAP COMPANY, THE**
705 Albany Street, Box 995
Dayton, Ohio 45401
- DAWSON CHEMICAL COMPANY**
1525 North Post Oak Road
Houston, Texas 77055
- d-CON COMPANY, INC., THE**
90 Park Avenue
New York, New York 10016
- DEAD SEA WORKS CORPORATION**
156 East 52nd Street
New York, New York 10022
- DE LAVAL SEPARATOR COMPANY, THE**
350 Dutchess Turnpike
Poughkeepsie, New York 12602
- DEL CHEMICAL CORPORATION**
P. O. Box 280
Menomonee Falls, Wisconsin 53051
- DeMERT AND DOUGHERTY, INC.**
4268 Utah Street
St. Louis, Missouri 63116
- DeSOTO CHEMICAL COMPANY, INC.**
P. O. Box 70
Arcadia, Florida 33821
- DESTRUXOL CORPORATION, LTD.**
1450 West 228th Street
Torrance, California 90501
- DETABGENT CORPORATION**
Box 177
Tully, New York 13159
- DETTELBACH PESTICIDE CORPORATION**
4103 Peachtree Road, N.E.
Atlanta, Georgia 30319
- DEWITT CHEMICAL COMPANY**
P. O. Box 343
Atlanta, Georgia 30301
- DIAMOND ALKALI COMPANY**
(Now: Diamond Shamrock Corporation)
300 Union Commerce Building
Cleveland, Ohio 44115
- DIAMOND SHAMROCK CORPORATION**
300 Union Commerce Building
Cleveland, Ohio 44115
- DILL COMPANY, INC., THE**
Washington and McKinley Avenues
Norristown, Pennsylvania 19404
- DIVERSEY CORPORATION, THE**
212 West Monroe Street
Chicago, Illinois 60606
- DIXI CHEM OF GREENVILLE, INC.**
812 Hampton Avenue
Greenville, South Carolina 29602
- DIXIE-O'BRIEN CORPORATION**
P. O. Box 580
Brunswick, Georgia 31520
- DIXIE PAINT AND VARNISH COMPANY, INC.**
(Now: Dixie-O'Brien Corporation)
P. O. Box 580
Brunswick, Georgia 31520
- DOGGETT FISON COMPANY**
Moonachie, New Jersey 07074
- DOUGLAS CHEMICAL COMPANY**
P. O. Box 297
Liberty, Missouri 64068

- DOUGLAS CHEMICAL COMPANY, INC., THE**
P. O. Box 6541
Richmond, Virginia 23230
- DOW CHEMICAL COMPANY, THE**
825 E. Main Street
Midland, Michigan 48640
- DRACKETT PRODUCTS COMPANY, THE**
5020 Spring Grove Avenue
Cincinnati, Ohio 45232
- DRAGON CHEMICAL CORPORATION**
7033 Walrond Drive
Roanoke, Virginia 24019
- du PONT de NEMOURS AND COMPANY, E. I.**
6054 Du Pont Building
Wilmington, Delaware 19898
- ECHO PRODUCTS**
Atlanta, Georgia 30301
- ECHOLS MANUFACTURING COMPANY**
4838 Woodall
Dallas, Texas 75247
- ECONOMICS LABORATORY, INC.**
Osborn Building
St. Paul, Minnesota 55102
- EDWARDS-COUNCILOR COMPANY, INC.**
121 Colley Avenue
Norfolk, Virginia 23510
- EISELE AND COMPANY, INC.**
905—9th Avenue, N.
Nashville, Tennessee 37208
- ELANCO PRODUCTS COMPANY**
Division of Eli Lilly and Company
740 South Alabama Street
Indianapolis, Indiana 46206
- ELECTROLUX CORPORATION**
235 East 42nd Street
New York, New York 10017
- ELROY TURPENTINE COMPANY**
P. O. Box 688
Swainsboro, Georgia 30401
- EMERY INDUSTRIES, INC.**
4900 Este Avenue
Cincinnati, Ohio 45232
- EMPIRE LABORATORIES**
700 Marietta Street, N.W.
Atlanta, Georgia 30318
- ENCAP PRODUCTS COMPANY**
P. O. Box 425
Park Ridge, Illinois 60068
- END-O-RAT COMPANY, THE**
Division of Hilliard Products
Box 115
Lancaster, Pennsylvania 17557
- ENJAY CHEMICAL COMPANY**
Houston, Texas
- ENOZ**
Division of Irwin-Willert Company
St. Louis, Missouri
- EVERLAB COMPANY, INC.**
11636 Administration Drive
St. Louis, Missouri 63166
- EXCELL CHEMICAL PRODUCTS COMPANY**
4901 Umbria Street
Philadelphia, Pennsylvania 19127
- E-Z-FLO CHEMICAL COMPANY**
Box 337
Aberdeen, North Carolina 28315
- FCX, INC.**
121 E. Davie Street
Raleigh, North Carolina 27602
- F & W ENTERPRISES, INC.**
P. O. Box 15392
Tampa, Florida 33614
- FAESY AND BESTHOFF, INC.**
143 River Road
Edgewater, New Jersey 07020
- FAIRFAX BIOLOGICAL LABORATORY**
Electronic Road
Clinton Corners, New York 12514
- FAR-BEST CORPORATION**
6715 McKinley Avenue
Los Angeles, California 90001
- FARMINGDALE GARDEN LABS, INC.**
136 Verdi Street
Farmingdale, New York 11735
- FARNAM COMPANIES, INC.**
613 North Central Avenue
Phoenix, Arizona 85001
- FEDERAL CHEMICAL COMPANY, INC.**
2701 Winthrop Avenue
Indianapolis, Indiana 46205
- FENCE PAINTER CORPORATION**
4335 South Tripp Avenue
Chicago, Illinois 60632
- FERGUSSON, ALEX C. COMPANY**
44 East Oregon Avenue
Philadelphia, Pennsylvania 19148
- FLAG SULPHUR AND CHEMICAL COMPANY**
P. O. Box "G"
Tampa, Florida 33605
- FONTANA PRODUCTS**
340 Durham Road
Wake Forest, North Carolina 27587
- FORSHAW CHEMICALS, INC.**
2020 Randolph Road, P. O. Box 6055
Charlotte, North Carolina 28207
- FRANKLIN MAINTENANCE PRODUCTS**
24600 South Main
Wilmington, California 90744
- FRENCH, R. T. COMPANY, THE**
One Mustard Street
Rochester, New York 14609
- FULD BROTHERS, INC.**
702 South Wolfe Street
Baltimore, Maryland 21231

FULTON CHEMICAL COMPANY P. O. Box 160 Sumter, South Carolina 29150	GREEN LIGHT COMPANY P. O. Box 6845 San Antonio, Texas 78209
GAF CORPORATION Textile Chemical Division 1228 Chestnut Street Chattanooga, Tennessee 37492	GUARDIAN CHEMICAL COMPANY P. O. Box 1354 Atlanta, Georgia 30301
GARDNER SUPPLY COMPANY, INC. P. O. Box 1556 Statesville, North Carolina 28677	GULF OIL CORPORATION P. O. Box 1166 Pittsburgh, Pennsylvania 15230
GARRATT-CALLAHAN COMPANY 111 Rollins Road Millbrae, California 94030	GURMICO CHEMICALS, INC. P. O. Box 278 Princeton, North Carolina 27569
GASTON JOHNSTON CORPORATION 24-64 45th Street Long Island City, New York 11103	GUSTAFSON MANUFACTURING, INC. 6600 South County Road 18 Hopkins, Minnesota 55343
GEIGY AGRICULTURAL CHEMICALS Ardsley, New York 10502	GUTH CHEMICAL COMPANY 332 South Center Street Hillside, Illinois 60162
GEISLER PET PRODUCTS 1848 Webster Avenue Bronx, New York 10457	HANDI CLEAN PRODUCTS, INC. Greensboro, North Carolina
GEORGIA-CAROLINA OIL COMPANY Box 4304 Macon, Georgia 31208	HANFORD PRODUCE COMPANY A Division of Swift and Company Clarksville, Arkansas 72830
GEORGIA-PACIFIC CORPORATION Southern Coatings Division P. O. Box 160 Sumter, South Carolina 29150	HAPPY JACK, INC. P. O. Box 475 Snow Hill, North Carolina 28580
GETEM MANUFACTURING COMPANY, INC. 1261 West 42nd Street Norfolk, Virginia 23508	HARRIS, P. F. MANUFACTURING COMPANY, INC. 101 West 8th Street North Little Rock, Arkansas 72114
GLAMORENE PRODUCTS, INC. 175 Entin Road Clifton, New Jersey 07014	HARRIS PRODUCTS COMPANY, INC. Box 4 Miami Beach, Florida 33139
GLAND-O-LAC COMPANY, THE Division of Ciba Corporation 1818 Leavenworth Street Omaha, Nebraska 68101	HARRIS-TEETER SUPER MARKETS, INC. Charlotte, North Carolina
GLOVER, H. CLAY COMPANY, INC. 1001 Franklin Avenue Garden City, New York 11530	HARTZ MOUNTAIN PRODUCTS CORPORATION 50 Cooper Square New York, New York 10003
GORDON CHEMICAL COMPANY, INC. Kansas City, Kansas	HELENA CHEMICAL COMPANY— SOUTHEAST 71st and SCL RR Tampa, Florida 33605
GOULD'S "DELL" PRODUCTS Sylvan Dell Road, R. D. No. 1 Williamsport, Pennsylvania 17701	HELLER LABORATORIES, INC. A Division of B. Heller and Company Calumet at 40th Street Chicago, Illinois 60653
GRACE, W. R. AND COMPANY Agricultural Products Division Box 357 Cary, North Carolina 27511	HENDRIX AND DAIL, INC. P. O. Box 695 Greenville, North Carolina 27834
GRAHAM CHEMICAL COMPANY, INC. No. 5 Battleground Avenue Greensboro, North Carolina 27408	HERCULES, INCORPORATED 910 Market Street Wilmington, Delaware 19899
GREAT LAKES BIOCHEMICAL COMPANY, INC. 6120 West Douglas Avenue Milwaukee, Wisconsin 53218	HERITAGE HOUSE PRODUCTS A Unit of Diamond Shamrock Company 300 Union Commerce Building Cleveland, Ohio 44115
GREAT LAKES CHEMICAL CORPORATION 753 Warner Building Washington, D. C. 20004	HESS AND CLARK Division of Richardson-Merrell, Inc. 7th and Orange Streets Ashland, Ohio 44805

HIGHLAND PRODUCTS COMPANY Special Products Division Minneapolis, Minnesota	HUMBLE OIL AND REFINING COMPANY P. O. Box 2180 Houston, Texas 77001
HILL MANUFACTURING COMPANY 1500 Jonesboro Road, S.E. Atlanta, Georgia 30315	HUMCO LABORATORY, INC. 1008 Whitaker Street Texarkana, Texas 75501
HILLYARDS SALES COMPANY (EASTERN) 302 North 4th Street, P. O. Box 909 St. Joseph, Missouri 64502	HUNT AND COMPANY, INC. 1016 Raleigh Street Greensboro, North Carolina 27405
HILY PRODUCTS, INC. 3460 Wilshire Boulevard Los Angeles, California 90005	HUNTINGTON LABORATORIES, INC. 970 East Tipton Street Huntington, Indiana 46750
HINSHAW MANUFACTURERS AND DISTRIBUTORS 2402 Trent Road New Bern, North Carolina 28560	HYDROPONIC CHEMICAL COMPANY, INC. P. O. Box 97-C Copley, Ohio 44321
HOFFMAN, A. H. INC P. O. Box 8 Landisville, Pennsylvania 17538	INDEPENDENT GROCERS ALLIANCE DISTRIBUTING COMPANY Chicago, Illinois
HOLCOMB, J. I. MANUFACTURING COMPANY 1601 Barth Avenue Indianapolis, Indiana 46203	INDUSTRIAL FUMIGANT COMPANY 923 State Line Kansas City, Missouri 64101
HOLLAND-RANTOS COMPANY, INC. 393 Seventh Avenue New York, New York 10001	INTERNATIONAL CHEMICAL CORPORATION 720 Fifth Avenue New York New York 10019
HOLLYWOOD TERMITE CONTROL COMPANY 2221 Poplar Boulevard Alhambra, California 91802	INTERNATIONAL DISTRIBUTORS, INC. P. O. Box 377 Memphis, Tennessee 38101
HOOD CHEMICAL COMPANY DIVISION P. O. Box 368 Greenville, South Carolina 29602	INTERNATIONAL LUBRICANT CORPORATION P. O. Box 5118 New Orleans, Louisiana 70150
HOOKER CHEMICAL CORPORATION Buffalo Avenue, P. O. Box 344 Niagara Falls, New York, 14302	INTERNATIONAL MINERALS AND CHEMICAL CORPORATION 5401 Old Orchard Road Skokie, Illinois 60076
HOPKINS AGRICULTURAL CHEMICAL COMPANY Box 584 Madison, Wisconsin 53701	IONAC CHEMICAL COMPANY Birmingham, New Jersey 08011
HORIZON INDUSTRIES CORPORATION 12807 Larchmere Road Cleveland, Ohio 44120	IREDELL CHEMICAL COMPANY P. O. Box 1556 Statesville, North Carolina 28677
HOT SHOT QUALITY PRODUCTS, INC. 701 North Main Street Memphis, Tennessee 38101	IRWIN-WILLERT COMPANY 4044 Park Avenue St. Louis, Missouri 63110
HOUSTON, SAM COMPANY P. O. Box 662 Talladega, Alabama 35160	J & F MANUFACTURING COMPANY P. O. Box 40205 Houston, Texas 77040
HOUSE OF HUSTON, INC. 321 Summer Street Boston, Massachusetts 02210	JOHNSON NURSERIES Box 411 Dexter, New York 13634
HOWERTON GOWEN CHEMICALS Box 247 Roanoke Rapids, North Carolina 27870	JOHNSON, S. C. AND SON, INC. 1525 Howe Street Racine, Wisconsin 53403
HUB AND ED WHOLESALE Box 661 Mt. Holly, North Carolina 28120	KAISER AGRICULTURAL CHEMICALS P. O. Box 246 Savannah, Georgia 31402
HUGE' COMPANY, INC., THE 884 Hodiamond Avenue, Box 9502 St. Louis, Missouri 63112	KAY CHEMICAL COMPANY 131 West High Street High Point, North Carolina 27261

KENDALL COMPANY, THE
Health Care Division
309 West Jackson Boulevard
Chicago, Illinois 60606

KENOVA CHEMICAL COMPANY
4044 Park Avenue
St. Louis, Missouri 63110

KERR-McGEE CHEMICAL CORPORATION
133 Robert S. Kerr Avenue
Oklahoma City, Oklahoma 73102

KING CHEMICAL COMPANY
2342 South Lauderdale
Memphis, Tennessee 38106

KING MANUFACTURING COMPANY
2601 Davison Road
Flint, Michigan 48506

KING PAINT AND SUPPLY COMPANY
P. O. Box 14347
Orlando, Florida 32807

KING RESEARCH, INC.
114—12th Street
Brooklyn, New York 11215

KLENZADE PRODUCTS
Division of Economics Laboratory, Inc.
P. O. Box 1020
Beloit, Wisconsin 53511

KOPPERS COMPANY, INC.
801 Koppers Building
Pittsburgh, Pennsylvania 15219

KROGER COMPANY, THE
1240 State Avenue
Cincinnati, Ohio 45204

LABCO PET PRODUCTS COMPANY
285 Washington Street
Somerville, Massachusetts 02143

LAMBERT-KAY, INC.
Division of Carter-Wallace
2619 Exposition Boulevard
Los Angeles, California 90018

LAWN-A-MAT CHEMICAL AND
EQUIPMENT CORPORATION
153 Jefferson Avenue
Mineola, Long Island, New York 11501

LAZARUS LABORATORIES, INC.
42-16 West Street
Long Island City, New York 11101

LeGEAR, DR. INC.
(Now: LeGear Laboratories, Inc.)
4161 Beck Avenue
St. Louis, Missouri 63116

LeGEAR LABORATORIES, INC.
4161 Beck Avenue
St. Louis, Missouri 63116

LEHN AND FINK PRODUCTS
Division of Sterling Drug, Inc.
90 Park Avenue
New York, New York 10016

LILY PRODUCTS COMPANY
324 East Pima
Phoenix, Arizona 85004

LINCK, O. E. DIVISION
Walco-Linck Corporation
1234 State Highway 46
Clifton, New Jersey 07013

McCALL MANUFACTURING
COMPANY, INC.
P. O. Box 145
Jasper, Florida 32052

McCLELLAN VETERINARY
LABORATORIES
Division of Nutrilite Products, Inc.
Buena Park, California 90620

MCCORMICK AND COMPANY, INC.
11350 McCormick Road
Cockeysville, Maryland 21030

McKESSON LABORATORIES
P. O. Box 548
Bridgeport, Connecticut 06602

MABEX COMPANY, THE
Umbria and Lemonte Streets
Philadelphia, Pennsylvania 19127

MAINTENANCE SUPPLY SERVICE
CORPORATION
P. O. Box 498
Huntersville, North Carolina 28078

MALLINCKRODT CHEMICAL WORKS
P. O. Box 5439
St. Louis, Missouri 63160

MARK CHEMICAL COMPANY
190 North Cypress Street
Orange, California 92666

MARS INDUSTRIES, INC.
5209 West Broadway
Minneapolis, Minnesota 55429

MARTIN, C. J. AND SONS, INC.
1181 Airport Boulevard
Austin, Texas 78702

MASTER PRODUCTS COMPANY
Box 531
Fayetteville, North Carolina 28302

MASURY-COLUMBIA COMPANY
2525 West Armitage Avenue
Melrose Park, Illinois 60160

MEDICAL SUPPLY COMPANY
1027 West State Street
Rockford, Illinois 61101

MEHERRIN AGRICULTURAL AND
CHEMICAL COMPANY
Severn, North Carolina 27877

MERCHANTS DISTRIBUTING, INC.
Hickory, North Carolina 28601

MERCK AND COMPANY, INC.
Rahway, New Jersey 07065

MEREDITH SWIMMING POOL COMPANY
116 Stagecoach Trail
Greensboro, North Carolina 27409

MICHIGAN CHEMICAL CORPORATION
2 North Riverside Plaza
Chicago, Illinois 60606

MIDLAND LABORATORIES, INC.
210-220 Jones Street
Dubuque, Iowa 52001

MILLER CHEMICAL AND FERTILIZER CORPORATION
P. O. Box 311
Hanover, Pennsylvania 17331

MILLER-MORTON COMPANY
2007 North Hamilton Street
Richmond, Virginia 23230

MILLS-PEARSON CORPORATION
Dianol Division
Box 10968, 5925 Carrier Street, N.
St. Petersburg, Florida 33733

MIRACLE ADHESIVES CORPORATION
250 Pettit Avenue
Bellmore, New York 11710

MOBIL CHEMICAL COMPANY
Industrial Chemicals Division
401 East Main Street
Richmond, Virginia 23208

MOMAR, INC.
1830 Ellsworth Industrial Drive, N.W.
Atlanta, Georgia 30325

MONA INDUSTRIES, INC.
65 East 23rd Street
Paterson, New Jersey 07524

MONSANTO COMPANY
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

MORTON CHEMICAL COMPANY
110 North Wacker Drive
Chicago, Illinois 60606

MOTOMCO, INC.
89 Terminal Avenue
Clark, New Jersey 07066

MUTUAL PRODUCTS COMPANY
509 North 4th Street
Minneapolis, Minnesota 55401

NALCO CHEMICAL COMPANY
6216 West 66th Place
Chicago, Illinois 60638

NATIONAL CHEMSEARCH CORPORATION
P. O. Box 217-2730 Carl Road
Irving, Texas 75060

NATIONAL HOG MEDICINE COMPANY
804 North West Street, P. O. Box 1634
Raleigh, North Carolina 27602

NIAGARA CHEMICAL DIVISION
FMC Corporation
Box 1709
Jacksonville, Florida 32201

NIP-CO MANUFACTURING, INC.
200 Main Street
New Rochelle, New York 10802

NOK-OUT-BAM CHEMICAL COMPANY, INC.
P. O. Box 466
Edgefield, South Carolina 29824

NORCLIFF LABORATORIES
P. O. Box 471
Fairfield, Connecticut 06433

NORDA ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
475 Tenth Avenue
New York, New York 10018

NORTHAMPTON COUNTY HEALTH DEPARTMENT
Jackson, North Carolina 27845

NOTT MANUFACTURING COMPANY, INC.
Pleasant View Road
Pleasant Valley, New York 12569

NUTRILITE PRODUCTS, INC.
5600 Beach Boulevard
Buena Park, California 90620

OAKWOOD MEDICAL CENTER, INC.
6711 Kingston Pike
Knoxville, Tennessee 37919

OLD 97 COMPANY
2306 35th Street
Tampa, Florida 33605

OLIN MATHIESON CHEMICAL CORPORATION
120 Long Ridge Road
Stamford, Connecticut 06904
745 Fifth Avenue
New York, New York 10022

ONE-SPOT COMPANY
Box 280
Jessup, Maryland 20794

OPITZ, JOHN INC.
50-14 39th Street
Long Island City, New York 11104

ORKIN EXTERMINATING COMPANY, INC.
2170 Piedmont Road, N. E.
Atlanta, Georgia 30324

PPG INDUSTRIES
One Gateway Center
Pittsburgh, Pennsylvania 15222

PADDOCK POOL EQUIPMENT COMPANY
118 Railroad Avenue
Albany, New York 12205

PAPER PRODUCTS, INC.
P. O. Box 5158
Long Beach, California 90805

PAR INDUSTRIES, INC.
54 Pennsylvania Avenue
South Kearny, New Jersey 07032

PARAMOUNT CHEMICAL COMPANY
840 Selig Drive, S. W.
Atlanta, Georgia 30336

PARK CHEMICAL COMPANY, INC.
4413 Best Road, Box 159
College Park, Georgia 30022

PARKE, DAVIS AND COMPANY
Joseph Campau at the River
Detroit, Michigan 48232

PARRAMORE AND GRIFFIN SEED COMPANY, INC.
105 Boone Road
Valdosta, Georgia 31601

PAXTON ENTERPRISES
P. O. Box 286
Kingman, Arizona 86401

PEARSON AND COMPANY
Box 431
Mobile, Alabama 36601

PECK'S PRODUCTS COMPANY
610 East Clarence Avenue
St. Louis, Missouri 63147

PEELE, W. R. COMPANY, INC.
P. O. Box 275
Clayton, North Carolina 27520

PENICK, S. B. AND COMPANY
100 Church Street
New York, New York 10007

PENN CORPORATION
P. O. Box 191
Butler, Pennsylvania 16001

PENNEY, J. C. COMPANY, INC.
1301 Avenue of the Americas
New York, New York 10019

PENNSALT CHEMICALS CORPORATION
3 Penn Center Plaza
Philadelphia, Pennsylvania 19102

PENNSALT CHEMICALS CORPORATION
Agricultural Chemicals Division
2901 Taylor Way
Tacoma, Washington 98401

PENNSYLVANIA ENGINEERING COMPANY
1107-21 North Howard Street
Philadelphia, Pennsylvania 19123

PENNSYLVANIA REFINING COMPANY
Box 671
Butler, Pennsylvania 16001

PEST-GUARD PRODUCTS, INC.
4838 Woodall
Dallas, Texas 75247

PET CHEMICALS, INC.
7781 N. W. 73rd Street
Miami Springs, Florida 33166

PET'M LABORATORIES, INC.
1500 Spring Garden Street
Philadelphia, Pennsylvania 19101

PETPAK
Division of 8 in 1 Pet Products, Inc.
100 Emjay Boulevard
Brentwood, L. I., New York 11717

PETROLANE GAS SERVICE, INC.
1600 East Hill Street
Long Beach, California 90806

PFIZER, CHAS. AND COMPANY, INC.
235 East 42nd Street
New York, New York 10017

PHELPS DODGE REFINING CORPORATION
300 Park Avenue
New York, New York 10022

PIC CORPORATION
28-30 Canfield Street
Orange, New Jersey 07050

PIONEER MANUFACTURING COMPANY, THE
3053 East 87th Street
Cleveland, Ohio 44104

PITTSBURGH PLATE GLASS COMPANY
(Now: PPG Industries, Inc.)
One Gateway Center
Pittsburgh, Pennsylvania 15222

PLANT MARVEL LABORATORIES
624 West 119th Street
Chicago, Illinois 60628

PLANT PRODUCTS CORPORATION
Kennedy Avenue
Blue Point, L. I., New York 11715

PLANTERS CHEMICAL COMPANY
Division of Thompson-Hayward
Chemical Company
3111 Virginia Beach Boulevard
Norfolk, Virginia 23516

PLANTERS CHEMICAL CORPORATION
(Now: Planters Chemical Company)
Division of Thompson-Hayward
Chemical Company
3111 Virginia Beach Boulevard
Norfolk, Virginia 23516

PLOUGH, INC.
3022 Jackson Avenue
Memphis, Tennessee 38101

POCATELLO SUPPLY DEPOT
Bureau of Sport Fisheries and Wildlife
Pocatello, Idaho 83201

POLK MILLER PRODUCTS CORPORATION
(Now: Miller-Morton Company)
2007 North Hamilton Street
Richmond, Virginia 23230

POCLIN CHEMICAL COMPANY
Route 1, Box 300
Statesville, North Carolina 28677

PRATER, E. H. WHOLESALE COMPANY
Route 3
Seneca, South Carolina 29678

PRATT, B. G. COMPANY
204 21st Avenue
Paterson, New Jersey 07509

PURIMROSE OIL COMPANY, INC.'
11444 Denton Drive, Box 598
Dallas, Texas 75229

PROCTOR AND GAMBLE COMPANY, THE
P. O. Box 599
Cincinnati, Ohio 45201

PROSPECT CANDLE
Division of Economy Food Products
22 North Union Street
Somerville, Massachusetts 02143

PUREPAC CORPORATION
200 Elmora Avenue
Elizabeth, New Jersey 07207

PUREX CORPORATION, LTD.
24600 South Main Street
Wilmington, California 90744

QUINTON COMPANY
Rahway, New Jersey 07065

RALSTON PURINA COMPANY
835 South Eighth Street
St. Louis, Missouri 63199

- RAWLEIGH, W. T. COMPANY, THE**
223-225 East Main Street
Freeport, Illinois 61032
- REARDON, W. G. LABORATORIES, INC.**
330 North Main Street
Port Chester, New York 10573
- REEFER-GALLER, INC.**
105 Hudson Street
Jersey City, New Jersey 07302
- REICHHOLD CHEMICALS, INC.**
Tuscaloosa, Alabama 35401
- RELIABLE CHEMICAL COMPANY, INC.**
10 Moth Ball Terrace
Passaic, New Jersey 07056
- RENUZIT HOME PRODUCTS COMPANY**
3018 Market Street
Philadelphia, Pennsylvania 19104
- REXALL DRUG AND CHEMICAL COMPANY**
8480 Beverly Boulevard
Los Angeles, California 90054
- RHODIA, INC.**
Chipman Division
120 Jersey Avenue, P. O. Box 2009
New Brunswick, New Jersey 08903
- RICHMOND FOOD STORES, INC.**
Richmond, Virginia 23211
- RIGO MANUFACTURING COMPANY**
Box 1188
Nashville, Tennessee 37202
- RINGER, JUDD CORPORATION**
6860 Flying Cloud Drive
Eden Prairie, Minnesota 55343
- RODENT CONTROL FUND**
Agricultural Experiment Station
Lafayette, Indiana 47907
- RODENT CONTROL FUND**
University of Massachusetts
Amherst, Massachusetts 01002
- ROHM AND HAAS COMPANY**
Independence Mall West
Philadelphia, Pennsylvania 19105
- ROOTO CORPORATION, THE**
33094 West 8 Mile Road
Farmington, Michigan 48024
- ROSS DANIELS, INC.**
P. O. Box 430, 1720 Fuller Road
West Des Moines, Iowa 50265
- ROTONONE PRODUCTS COMPANY**
110 Eaton Place
East Orange, New Jersey 07017
- ROYSTER, F. S. GUANO COMPANY**
Royster Chemical Division
South Fields Street
Farmville, North Carolina 27828
- RUST-OLEUM CORPORATION**
2301 Oakton Street
Evanston, Illinois 60204
- SABINE CHEMICAL COMPANY, INC.**
P. O. Box 1206
Port Arthur, Texas 77640
- SALSBURY LABORATORIES**
500 Gilbert Street
Charles City, Iowa 50616
- SANFAX CORPORATION**
P. O. Box 604
Atlanta, Georgia 30301
- SARANDOS DEODORANT COMPANY, INC.**
6906 Ashcroft
Houston, Texas 77036
- SAUER, C. F. COMPANY, THE**
2000 West Broad Street
Richmond, Virginia 23220
- SCIENCE PRODUCTS CORPORATION**
2640 North Greenview Avenue
Chicago, Illinois 60614
- SCOTT, O. M. AND SONS COMPANY**
Marysville, Ohio 43040
- SEACOAST LABORATORIES, INC.**
257 Highway 18
East Brunswick, New Jersey 08816
- SEARS, ROEBUCK AND COMPANY**
925 South Homan Avenue—Dept. 671
Chicago, Illinois 60607
- SELIG CHEMICAL INDUSTRIES, INC., THE**
840-860 Selig Drive, S. W.
Atlanta, Georgia 30336
- SENORET CHEMICAL COMPANY, INC.**
631 Leffingwell Avenue
St. Louis, Missouri 63122
- SEXTON, JOHN AND COMPANY**
150 Thames Road
Forest Park, Georgia 30050
- SHELL CHEMICAL COMPANY**
Agricultural Chemicals Division
110 West 51st Street
New York, New York 10020
- SHELL OIL COMPANY**
50 West 50th Street
New York, New York 10020
- SHEPARD CHEMICAL WORKS, INC.**
Highway 74 East
Wilmington, North Carolina 28401
- SHERWIN-WILLIAMS COMPANY, THE**
P. O. Box 269
Bound Brook, New Jersey 08805
- SINGLETARY AND COMPANY, INC.**
143 South Washington Street
Rocky Mount, North Carolina 27801
- SMITH SEEDS, INC.**
315 Lynn Street
Danville, Virginia 24541
- SMITH, WILLIAM E.**
Route 2
Wendell, North Carolina 27591
- SMO-CLOUD COMPANY**
Division of Continental Chemiste
Corporation
2556 West Ogden Avenue
Chicago, Illinois 60612
- SOUTHERN AGRICULTURAL CHEMICALS, INC.**
P. O. Box 527
Kingstree, South Carolina 29556

SOUTHERN AGRICULTURAL
INSECTICIDES, INC.
Box 85
Boone, North Carolina 28607

SOUTHERN CHEMICAL PRODUCTS
COMPANY
430 Lower Boundary, P. O. Box 205
Macon, Georgia 31202

SOUTHERN NATIONAL
MANUFACTURING COMPANY
Hollister, Missouri 65672

SOUTHERN TESTING AND RESEARCH
LABS, INC.
607 Park Avenue
Wilson, North Carolina 27893

SPAN ASSOCIATES, INC.
510 West Third Street
Oil City, Pennsylvania 16301

SPARTAN CHEMICAL COMPANY, INC.
110 North Westwood Avenue
Toledo, Ohio 43607

SPINDLE CITY CHEMICAL COMPANY
P. O. Box 444, 526 East Charlotte Avenue
Sumter, South Carolina 29150

SPIRITTINE CHEMICAL COMPANY
1717 Castle Street
Wilmington, North Carolina 28401

SPRAYWAY, INC.
7644 South Vincennes Avenue
Chicago, Illinois 60620

STANDARD NAPHTHALENE PRODUCTS
COMPANY, INC.
1035 Belleville Turnpike
Kearny, New Jersey 07032

STANDARD PACKAGING CORPORATION
200 East 42nd Street
New York, New York 10017

STANDARD SPRAY AND CHEMICAL
COMPANY
1405 West Olive Street, P. O. Box 63
Lakeland, Florida 33802

STARR COMPANY, INC.
P. O. Box 1031
Petersburg, Virginia 23803

STAUFFER CHEMICAL COMPANY
P. O. Box 5388
Tampa, Florida 33605

STEARNS' ELECTRIC PASTE COMPANY
220 South State Street
Chicago, Illinois 60604

STEPHENSON CHEMICAL COMPANY,
INC.
2444 West Point Road
College Park, Georgia 20044

STERLING COMPANY, INC., THE
2801-05 Locust Street
St. Louis, Missouri 63103

STERLING DRUG, INC.
90 Park Avenue
New York, New York 10016

STERNO, INC.
105 Hudson Street
Jersey City, New Jersey 07302

STERWIN CHEMICALS, INC.
90 Park Avenue
New York, New York 10016

SUDSBURY LABORATORY, INC.
572 Dutton Road
Sudbury, Massachusetts 01776

SUWANNEE DRUG COMPANY
P. O. Box 128
Newberry, Florida 32669

SWEENEY, W. R. MANUFACTURER, INC.
340 South Main Street
Salisbury, Missouri 65281

SWIFT AGRICULTURAL CHEMICALS
COMPANY
P. O. Box 210
Wilmington, North Carolina 28401
P. O. Box 7537
Norfolk, Virginia 23515

SWIFT AND COMPANY
(Now: Swift Agricultural Chemicals
Company)
P. O. Box 210
Wilmington, North Carolina 28401
P. O. Box 7537
Norfolk, Virginia 23515

SWIM GARD PRODUCTS COMPANY
5101 Clark Avenue
Lakewood, California 90712

SYNCRO-MIST CONTROLS, INC.
270 Madison Avenue
New York, New York 10016

TAVOLEK LABORATORIES
Division of Johnson and Johnson
501 George Street
New Brunswick, New Jersey 08903

TENNECO CHEMICALS, INC.
Nuodex Division
300 East 42nd Street
New York, New York 10017

TENNESSEE CORPORATION
P. O. Box 2205
Atlanta, Georgia 30301

TESCO CHEMICALS, INC.
445 Bishop Street, N. W.
Atlanta, Georgia 30318

TEXACO, INC.
135 East 42nd Street
New York, New York 10017

TEXAS REFINERY CORPORATION
P. O. Box 711
Fort Worth, Texas 76101

TEXIZE CHEMICALS, INC.
125 Broadus Avenue
Greenville, South Carolina 29601

THOMPSON CHEMICALS CORPORATION
3028 Locust Street
St. Louis, Missouri 63103

THOMPSON-HAYWARD CHEMICAL
COMPANY
5200 Speaker Road
Kansas City, Kansas 66110

THURON INDUSTRIES, INC.
12200 Denton Drive
Dallas, Texas 75234

- TIME-MIST, INC.**
High Ridge Park
Stamford, Connecticut 06905
- TRIANGLE CHEMICAL COMPANY**
206 Lower Elm Street, P. O. Box 4528
Macon, Georgia 31208
- TURCO PRODUCTS, INC.**
24600 South Main Street
Wilmington, California 90744
- USS AGRI-CHEMICALS, INC.**
Box 1380
Wilmington, North Carolina 28401
- UNION CARBIDE CORPORATION**
270 Park Avenue
New York, New York 10017
- UNION CARBIDE CORPORATION**
Consumer Products Division
270 Park Avenue
New York, New York 10017
- UNIROYAL CHEMICAL**
Division of Uniroyal, Inc.
Naugatuck, Connecticut 06770
- UNITED CO-OPERATIVES, INC.**
111 Glamorgan Street
Alliance, Ohio 44601
- UNITED STATES BORAX AND CHEMICAL CORPORATION**
3075 Wilshire Boulevard
Los Angeles, California 90005
- UNITED STATES PLYWOOD CORPORATION**
A Division of United States Plywood-Champion Papers, Inc.
2305 Superior Avenue
Kalamazoo, Michigan 49001
- UNITED STATES RUBBER COMPANY**
(Now: Uniroyal Chemical
Division of Uniroyal, Inc.)
Naugatuck, Connecticut 06770
- UPJOHN COMPANY, THE**
7171 Portage Road
Kalamazoo, Michigan 49001
- VANDERBILT, R. T. COMPANY, INC.**
230 Park Avenue
New York, New York 10017
- VANELBA CORPORATION**
P. O. Box 1231
Charlottesville, Virginia 22902
- VAPOR PRODUCTS, INC.**
5230 South Orange
Orlando, Florida 32806
- VAPORETTE CHEMICAL CORPORATION**
1412 Jeffries
Dallas, Texas 75226
- VARLEY, JAMES AND SONS, INC.**
1200 Switzer Avenue
St. Louis, Missouri 63147
- VELSICOL CHEMICAL CORPORATION**
341 East Ohio Street
Chicago, Illinois 60611
- VESTAL LABORATORIES**
Division of W. R. Grace and Company
4968 Manchester Avenue
St. Louis, Missouri 63110
- VET-KEM LABORATORIES**
Division of Thuron Industries, Inc.
12200 Denton Drive
Dallas, Texas 75234
- VICTRYLITE CANDLE COMPANY**
627 Bay Shore Drive
Oshkosh, Wisconsin 54901
- VIKON CHEMICAL COMPANY, INC.**
P. O. Box 277
Elon College, North Carolina 27244
- VINELAND CHEMICAL COMPANY**
West Wheat Road, P. O. Box 745
Vineland, New Jersey 08360
- VINELAND LABORATORIES, INC.**
East Landis Avenue
Vineland, New Jersey 08360
- VIRGINIA CHEMICALS, INC.**
3340 West Norfolk Road
Portsmouth, Virginia 23703
- VULCAN MATERIALS COMPANY**
Chemical Division
P. O. Box 545
Wichita, Kansas 67201
- WAKE COUNTY HEALTH DEPARTMENT**
P. O. Box 949
Raleigh, North Carolina 27602
- WALGREEN LABORATORIES, INC.**
4300 Peterson Avenue
Chicago, Illinois 60646
- WALLACE AND TIERNAN, INC.**
P. O. Box 178
East Orange, New Jersey 07019
- WASHBURN-PUREX COMPANY**
2244 Elston Avenue
Chicago, Illinois 60614
- WATKINS PRODUCTS, INC.**
150 Liberty Street
Winona, Minnesota 55987
- WEAVER FERTILIZER COMPANY, INC.**
P. O. Box 1786
Norfolk, Virginia 23501
- WEEVIL-CIDE COMPANY, THE**
P. O. Box 1057
Salina, Kansas 67401
- WEST CHEMICAL PRODUCTS, INC.**
42-16 West Street
Long Island City, New York 11101
- WESTCHESTER VETERINARY PRODUCTS**
Division of Combe Chemical, Inc.
180 Mamaroneck Avenue
White Plains, New York 10601
- WESTON PRODUCTS COMPANY**
330 West Salisbury Street
Asheboro, North Carolina 27203
- WHITMIRE RESEARCH LABORATORIES, INC.**
339 South Vandeventer
St. Louis, Missouri 63110

WHITMOYER LABORATORIES, INC.
19 North Railroad Street
Myerstown, Pennsylvania 17067

WILMAR, INC.
224 Foster Avenue, Box 3111
Charlotte, North Carolina 28203

WILSON EXTERMINATING
COMPANY, INC.
401 West End Boulevard
Winston-Salem, North Carolina 27102

WILSON PEST CONTROL COMPANY, INC.
401 West End Boulevard
Winston-Salem, North Carolina 27102

WINN CHEMICAL COMPANY
P. O. Box 612
Anniston, Alabama 36201

WINTHROP LABORATORIES
Division of Sterling Drug, Inc.
New York, New York

WOODBURY CHEMICAL COMPANY
P. O. Box 788
St. Joseph, Missouri 64502

WOOD RIDGE CHEMICAL CORPORATION
Park Place East
Wood Ridge, New Jersey 07075

WOOD TREATING CHEMICALS
COMPANY
5137 Southwest Avenue
St. Louis, Missouri 63110

WOODLETS, INC.
45 Carroll Street
Buffalo, New York 14203

WOOLFOLK CHEMICAL WORKS, LTD.
East Main Street
Fort Valley, Georgia 31030

WYANDOTTE CHEMICALS
CORPORATION
1609 Biddle Avenue
Wyandotte, Michigan 48192

WYATT-QUARLES SEED COMPANY
U. S. 70 East
Raleigh, North Carolina 27602

WYETH LABORATORIES
Division of American Home Products
Corporation
P. O. Box 831
Paoli, Pennsylvania 19301

YALE CHEMICAL COMPANY
P. O. Box 715
Nashville, Tennessee 37202

ZEP MANUFACTURING COMPANY
P. O. Box 2015
Atlanta, Georgia 30301

N. C. Aerial Crop Dusting Law and Regulations

The North Carolina Aerial Crop-Dusting Law, enacted by the General Assembly of 1953, has passed through its fourteenth year of enforcement. Its purposes are to protect public health and welfare, to bring improved order in the aerial dusting industry and to eliminate practices which were not in the best interest of the industry or those whom it serves. Marked progress has been made, but there is much yet to be accomplished. The North Carolina Aerial Applicators Association and other members of the industry sponsored the law and cooperate in its enforcement.

The law and the regulations promulgated thereunder, in summary, require the registration and licensing of those who engage in the custom application of pesticides by aircraft in this state. Qualifications for license require adequate knowledge of the proper use and application of pesticides, the dangers involved and precautions necessary in their application.

Annual renewal of all licenses is required. The validity of any license is further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft is in force. The minimum liability coverage is \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident.

Licenses are of two types: Contractors—who contract for the airplane application of pesticides; and Applicators or aviators—those who do the application work. An individual, upon qualification, may procure both licenses. Applicator's licenses, among other things, are contingent on Federal Aviation Agricultural Operator's Certificate.

Licenses may be suspended or revoked if licensees are no longer qualified, for fraudulent, faulty, careless or negligent operations, or for other failure to comply with the requirements of the law. They are automatically nullified upon cancellation or expiration of liability coverage.

The law and regulations are given in the succeeding pages.

N. C. AERIAL CROP DUSTING LAW CHAPTER 106, N. C. GENERAL STATUTES

Article 4B, Aircraft Application of Pesticides

§106-65.13. Definitions. For the purposes of this article.

(1) The term "aircraft" means any contrivance now known or hereafter invented, used or designed for navigation of, or flight in, the air.

(2) The term "Board of Agriculture" means the North Carolina Board of Agriculture.

(3) The term "Commissioner" means the Commissioner of Agriculture.

(4) The term "custom application of pesticides" means any application of pesticides by aircraft.

(5) The term "fungi" means all non-chlorophyll-bearing thallophytes (that is, all non-chlorophyll-bearing plants of a lower order than mosses and liverworts), as, for example, but not limited to, rusts, smuts, mildews, molds, yeasts, and bacteria, except those on or in living man or other animals.

(6) The term "fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating fungi or plant disease.

(7) The term "herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any weed.

(8) The term "insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms, as, for example but not limited to, beetles, bugs, bees, and flies, and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as, for example, but not limited to, spiders, mites, ticks, centipedes, and wood lice.

(9) The term "insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects which may be present in any environment whatsoever.

(10) The term "person" means any individual, firm, partnership, association, corporation, company, joint stock association, or body politic, or any organized group of persons whether incorporated or not; and includes any trustee, receiver, assignee, or other representative thereof.

(11) The term "pesticide" or "economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, bacteria, weeds, or other forms of plant or animal life or viruses, except viruses on or in living man or other animals, which the Commissioner shall declare to be a pest.

(12) The term "weed" means any plant or plant part which grows where not wanted. (1953, c. 1333.)

§106-65.14. Licenses.

(a) It shall be unlawful for any person to engage in custom application of pesticides within the State at any time without a license issued by the Commissioner. Application for a license shall be made to the Commissioner and each application shall contain information regarding the applicant's qualifications and proposed operations and such other relevant matters as may be required pursuant to regulations promulgated by the Board of Agriculture.

(b) The Commissioner may require the applicant to show, upon examination, that he possesses adequate knowledge concerning the proper use and application of pesticides, and the dangers involved and precautions to be taken in connection with their application. If the applicant is other than an individual, the applicant shall designate an officer, member, or technician of the organization to take the examination, such designee to be subjected to the approval of the Commissioner. If the extent of the applicant's operations warrant it, the Commissioner may require more than one officer, member or technician to take the examination.

(c) If the Commissioner finds the applicant qualified, the Commissioner shall issue a license, which shall authorize the licensee to perform custom application of pesticides within the State. The license may restrict the applicant to the use of a certain type or types of materials if the Commissioner finds that the applicant is qualified to use only such type or types. If a license is not issued as applied for, the Commissioner shall inform the applicant in writing of the reasons therefor. All licenses issued under this article shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

(d) The Commissioner may suspend, pending inquiry, for not longer than ten days after opportunity for a hearing, may revoke, or modify the provisions of any license issued under this section, if he finds as a fact that the licensee is no longer qualified or has engaged in fraudulent business practices in the custom application of pesticides, or has made any custom application in a faulty, careless, or negligent manner, or has violated any of the provisions of this article or regulations made thereunder.

(e) The Commissioner may require, under such rules and regulations as may be promulgated under this article, from each applicant a liability bond against damage to person or property by aircraft and a resonable performance bond with sufficient surety satisfactory to the Commissioner, which performance bond is to secure the performance of contractual obligations of the licensee with respect to custom application of pesticides. Any person injured by the breach of any such obligation or any person damaged by such aircraft shall be entitled to sue on the bond in his own name in any court of competent jurisdiction to recover the damages he may have sustained.

(f) Any person aggrieved by any action of the Commissioner may within ten days after notice thereof request a review of said action by the Board of Agriculture. If no request for review is so made, the decision of the Commissioner shall be final. If a review is so requested, the Board of Agriculture shall promptly review the action of the Commissioner and either affirm or over-rule his action. If the Board of Agriculture affirms the Commissioner, it shall find the facts of the case and the aggrieved person may within thirty days after notice thereof appeal to the Superior Court of the county in which such person resides or to the Superior Court of Wake County and the matter may be heard in or out of chambers. Notice of the appeal shall be served on the Commissioner and within ten

days thereafter the Commissioner shall certify and file in the court to which the appeal is taken a transcript of any record pertaining thereto, including a transcript of evidence received. The court shall have jurisdiction to affirm, set aside or modify the action of the Board of Agriculture, provided, that the findings of fact as made by said Board, if supported by evidence, shall be conclusive.

Any license which has been suspended or revoked by the Commissioner or Board of Agriculture shall remain suspended or revoked until the laws, and regulations of the Board of Agriculture, have been complied with or until the decision or action of said Commissioner or Board have been set aside by court action. (1953, c. 1933.)

§106-65.15. Regulations, materials and methods of application.—The Board of Agriculture, after public hearing, may adopt regulations prohibiting the use of materials or methods in custom application of pesticides to the extent necessary to protect health or property and may make such other regulations as it may deem necessary to carry out the provisions of this article. Provided, however, such regulations shall not be inconsistent with the regulations issued by this State or by the Federal Government respecting safety in air navigation or operation of aircraft and before issuing any regulations directly related to any matter within the jurisdiction of any other official of this state, the Commissioner shall consult with that official with reference thereto. (1953, c. 1333.)

§106-65.16. Reports.—The Board of Agriculture may by regulation require any licensee to maintain records and furnish reports giving information with respect to particular applications of pesticides and such other relevant information as the Board of Agriculture may deem necessary. (1953, c. 1333.)

§106-65.17. Information.—The Commissioner may, in cooperation with the North Carolina Agricultural Experimental Station, publish information regarding injury which may result from improper application or handling of pesticides and the methods and precautions designed to prevent such injury. (1953, c. 1333.)

§106-65.18. Penalties.—Any person violating the provisions of this article or the regulations issued hereunder shall be guilty of a misdemeanor and upon conviction shall be fined or imprisoned or both in the discretion of the court. (1953, c. 1333.)

§106-65.19. Enforcement.—For the purpose of carrying out the provisions of this article the Commissioner may enter upon any public or private premises at reasonable times in order to have access for the purpose of inspecting any aircraft or materials subject to this article. (1953, c. 1333.)

§106-65.20. Delegation of Duties.—The function vested in the Commissioner by this article may be delegated by him to such employees of the Department of Agriculture or other qualified persons as the Commissioner may from time to time designate for such purposes. (1953, c. 1333.)

§106-65.21. Cooperation.—The Commissioner may cooperate with any other agency of this State or its sub-divisions or with any agency of any other State or of the Federal Government for the purpose of carrying out the provisions of this article and of securing uniformity of regulations. (1953, c. 1333.)

RULES, REGULATIONS, DEFINITIONS AND STANDARDS CHAPTER XII

Application of Pesticides By Aircraft

ARTICLE 1. APPLICATION OF PESTICIDES BY AIRCRAFT

§12-1. Application for license.—Application for a license to engage in the custom application of pesticides by aircraft shall be made to the Commissioner of Agriculture upon forms prescribed for that purpose and furnished by the Department of Agriculture.

§12-2. Classes of licenses.—There shall be two classes of licenses which shall authorize the holders thereof to engage in the custom application of pesticides to the extent authorized by the license and the rules and regulations of the State Board of Agriculture. The classes of licenses shall be as follows:

(a) Contractor's License. A contractor's license shall authorize the holder thereof to contract for the aerial application of pesticides.

(b) Airplane Applicator's License. An airplane applicator's license shall entitle the holder thereof to apply pesticides as contracted for by the holder of an operator's license.

§12-3. Examination for license.—Before any license is issued, the Commissioner may require the applicant to undergo such examination and to submit such other information as the Commissioner in his discretion may deem necessary for a proper determination of the applicant's qualifications.

§12-4. Modification, revocation or suspension of license.—All licenses are subject to modification as to terms and privileges and may be revoked or suspended by the Commissioner of Agriculture according to the provisions of G.S. 106-65.14. Licenses may be issued for periods of less than one year but all licenses shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

§12-5. Display of license.—All holders of contractor's or airplane applicator's licenses shall keep their licenses conspicuously posted at their place of business or about their person when engaged in the application of pesticides by aircraft and shall show their license upon request. Upon satisfactory proof of the loss or destruction of a license, a duplicate thereof may be issued to the qualified holder.

§12-6. Liability bond.—No airplane applicator's license shall be issued unless the applicant submits to the Commissioner of Agriculture along with the application for license a liability insurance policy covering said applicant and the person or persons for whom the custom application of pesticides is to be made against liability for damage to all persons or property caused by said aircraft. Said liability insurance policy shall cover at least \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident; and shall be required to be in force for the duration of the applicant's license: Provided, however, it is not the intent of this regulation for any liability insurance policy to cover damages resulting from the application of pesticides, but only for damages caused by aircraft.

§12-7. Report and Records.—Each contractor shall maintain daily reports and records on forms satisfactory to the Commissioner and all such reports and records shall be kept open and available for inspection by any authorized representative of the Department of Agriculture. Each contractor shall also submit to the Commissioner of Agriculture on or before December 31 of each year an annual report on forms furnished by the Commissioner, covering in detail the contractor's activities for the period covered by the report.

§12.8. Responsibility of contractors and applicators.—All contractors and applicators shall be responsible for the proper use and maintenance of equipment and for the proper use and application of pesticides; and shall at all times use due care for the protection of surrounding property, crops, fish ponds, plants and livestock. Any contractor or applicator who violates or disregards the provisions of this regulation or who makes any custom application in faulty, careless, or negligent manner shall have his license suspended or revoked according to the provisions of G.S. 106-65.14.

(Adopted: June 22, 1953)

(Authority: G.S. 106-65.15)

Licensees Under N. C. Aerial Crop-Dusting Law for 1968

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1968. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expire December 31, 1968, or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1969.

AERIAL SERVICES CORPORATION

P. O. Box 4217
Roanoke, Virginia 24015
Contractor

FRANCIS W. AMTOWER

P. O. Box 488
Ahoskie N. C. 27910
624 W. Piedmont
Keyser, West Virginia 26726
Applicator

VERN O. ANDERSON

General Delivery
King, N. C.
1931 Oceana Blvd.
Virginia Beach, Virginia 23453
Applicator

ROBERT AVERY

Avery Crop Spraying Service
Route 3, Box 289
Dunn, N. C. 28334
Applicator and Contractor

WILFRED A. BAARS

P. O. Box 7278
Shreveport, Louisiana 71107
Applicator

WILLIAM HOWARD BAGGETT

P. O. Box 361
Scotland Neck, N. C.
603 So. 22nd Street
Ft. Pierce, Florida 33450
Applicator and Contractor

DWAYNE S. BAILEY

P. O. Box 7278
Shreveport, Louisiana 71107
Applicator

JAMES DAVID BARNWELL

611 Hiwassee Street
Black Mountain, N. C.
Box 256 Carolina Highway
Suffolk, Virginia 23434
Applicator

LLOYD H. BARNWELL

c/o George Kittrell
Corapeake, N. C.
Route 1, Box 256
Suffolk, Virginia 23434
Applicator and Contractor

K. M. BIGGS, INC.

P. O. Box 671
Lumberton, N. C. 28358
Contractor

WILLIAM E. BOSTWICK

c/o E. A. Brumsey
Currituck, N. C.
6206 Apt. 4 Chestnut Avenue
Newport News, Virginia 23605
Applicator

WADE R. BRABBLE

Hampton Drive
Plymouth, N. C. 27962
Applicator

FRAZIER MACK BRAME

Route 5, Box 19
Reidsville, N. C. 27320
Applicator and Contractor

JOHN L. BRANCH

P. O. Box 7278
Shreveport, Louisiana 71107
Applicator

JACK DUANE BREWER

Route 3, Box 22B
Clinton, N. C. 28328
Applicator

WALTER H. BROTHERS

Route 1, Box 367
Aurora, N. C. 27806
Contractor

HAROLD F. BROWN

P. O. Box 4217
Roanoke, Virginia 24015
Applicator

JOHN W. BRUCE

P. O. Box 4217
Roanoke, Virginia 24015
Applicator

ODELL LOUIS BURTON

130 Green Crest Cr.
Jacksonville, N. C.
c/o Craft Spraying, Inc.
P. O. Box 172
Farmville, N. C. 27828
Applicator

CAMPBELL AIR SERVICE, INC.

P. O. Box 7278
Shreveport, Louisiana 71107
Contractor

HALBERT EUGENE CAMPBELL

4228 Forest View Drive
Fayetteville, N. C. 28304
Applicator

JOHN V. CAMPBELL
 3314 B. Northcrest Road
 Atlanta, Georgia
 Applicator

H. H. CLEMENTS
 Clements Aviation
 P. O. Box 267
 Indiantown, Florida 33456
 P. O. Box 45
 Rich Square, N. C.
 Applicator and Contractor

EDWARD R. COLE, JR.
 Route 1
 Leicester, N. C. 28748
 Box 8
 Mineral Springs, N. C.
 Applicator

CRAFT SPRAYING INC.
 P. O. Box 172
 Farmville, N. C. 27828
 Contractor

BARNEY L. CULP
 RFD 1
 Chester, South Carolina 29706
 Applicator

ROBERT L. CURRIE
 1311 W. 5th Street
 Lumberton, N. C. 28358
 Applicator and Contractor

GERALD J. CURRY
 1915 Ocean Walk Front
 Venice, California 90291
 P. O. Box 172
 Farmville, N. C.
 Applicator

DONALD L. STOTESBERRY
 Donald's Flying Service
 Route 1, Box 336D
 Plymouth, N. C. 27962
 Contractor

GEORGE A. GEDRA
 Gedra Air Service Inc.
 P. O. Box 594
 Darlington, South Carolina 29532
 Applicator and Contractor

RAYMOND ARTHUR GODWIN, JR.
 Route 5
 Dunn, N. C. 28334
 c/o Craft Spraying Inc.
 Farmville, N. C.
 Applicator

LEONARD C. GOODE
 P. O. Box 7278
 Shreveport, Louisiana 71107
 Applicator

LEO GRANIZO
 Washington Airport
 Washington, N. C. 27889
 Applicator

WALTER RAY GRIFFIN
 Route 1
 Summerfield, N. C. 27358
 Applicator and Contractor

DONALD A. GROOMES
 317 Penn Avenue
 Leechburg, Pennsylvania 15656
 P. O. Box 7278
 Shreveport, Louisiana 71107
 Applicator

SHERMAN W. HANKE
 Box 422
 Clio, South Carolina
 Box 29
 Summerfield, Florida 32691
 Applicator and Contractor

HELLOT AIR INC.
 c/o E. A. Brumsey
 Currituck, N. C.
 Route 3, Box 50
 Glen Allen, Virginia 23060
 Contractor

GENE L. HICKMAN
 Route 1, Box 623
 Bladenboro, N. C. 28108
 Applicator

JERRY D. HILL
 P. O. Box 4217
 Roanoke, Virginia 24015
 Applicator

RICHARD F. HOWE
 P. O. Box 45
 Rich Square, N. C.
 P. O. Box 267
 Indiantown, Florida 33456
 Applicator

JERNIGAN SPRAY SERVICE INC.
 P. O. Box 488
 Ahoskie, N. C. 27910
 Contractor

JAY L. JETER
 P. O. Box 7278
 Shreveport, Louisiana 71107
 Applicator

KING FLYING SERVICE, INC.
 Route 2
 King, N. C. 27021
 Contractor

JOHN LILLEY
 Jamesville, N. C. 27846
 Applicator

MICHAEL G. LINDELL
 P. O. Box 4217
 Roanoke, Virginia 24015
 Applicator

JACK LOWERS
 Route 3, Box 22B
 Clinton, N. C. 28328
 Applicator and Contractor

PAUL M. LUNDEBERG
 7518 E. Young Place
 Tulsa, Oklahoma 74115
 1041-A Hickory Street
 Fayetteville, N. C. 28303
 Applicator

LICENSEES UNDER CROP DUSTING LAW (Cont.)

31

- ERNEST H. MARSHALL**
1805 Brevard Road
P. O. Box 51
Hendersonville, N. C. 28739
28201 S.W. 195th Avenue
Homestead, Florida 33030
Applicator
- MARSHALL FLYING SERVICE, INC.**
Meyer Airport
Hendersonville N. C. 28739
267 S. Flagler Street
Homestead, Florida 33030
Contractor
- JOHN FRANK MASTERS**
P. O. Box 7278
Shreveport, Louisiana 71107
Box 155, Masters Lane R.D. #5
Irwin, Pennsylvania 15642
Applicator
- ROBERT L. McILVAIN**
R.R. 5
Vincennes, Indiana 47591
Applicator
- WOODROW M. MCKAY**
Route 3, Box 335
Hartsville, South Carolina 29550
Applicator
- JOHN McKENZIE**
P. O. Box 7278
Shreveport, Louisiana 71107
Applicator
- JOHN M. McLEAN**
Box 298
Wagram, N. C. 28396
Laurinburg-Maxton Airport
Maxton, N. C.
Applicator and Contractor
- McNAIR INVESTMENT COMPANY**
dba McNair Farms
Box 1509
Laurinburg, N. C. 28352
Applicator
- ROBERT L. McNEIL**
Airplane Service
P. O. Box 291
Cameron, South Carolina 29030
Contractor
- HERMAN RAY MEADS**
Route 1, Box 318
Elizabeth City, N. C. 27909
Applicator and Contractor
- MILLER AVIATION INC.**
Municipal Airport
Statesville, N. C. 28677
Contractor
- FRANKLIN C. MILLER**
Route 3
Clinton, N. C. 28328
P. O. Box 69
Stroudsburg, Pennsylvania 18360
Applicator
- MINERAL SPRINGS HELICOPTER SERVICE, INC.**
P. O. Box 8
Mineral Springs, N. C. 28108
Contractor
- HENRY E. MOORE, JR.**
Moore's Aerial Applicators
Box 766
Clinton, N. C. 28328
Applicator and Contractor
- JAMES E. MOSER, JR.**
Aerial Crop Service
Route 3, Box 117
Kinston, N. C. 28501
Applicator and Contractor
- HARRY W. NELSON**
Route 1
Dover, N. C.
P. O. Box 883
Ft. Pierce, Florida 33450
Applicator and Contractor
- CHARLES BARRY OWENS**
Route 2
King, N. C. 27021
Applicator
- DELMAR C. OWENS**
Owens Crop Dusting & Spraying
Route 2
Columbia, N. C. 27925
Applicator and Contractor
- GEORGE B. D. PARKER**
Chinquapin, N. C. 28521
Applicator and Contractor
- DAVID S. PATTERSON**
Route 2
Mobile Home Estate
Laurinburg, N. C. 28352
109 Knoxville
Ft. Valley, Georgia 31030
Applicator
- WILLIAM J. PERDUE**
P. O. Box 7278
Shreveport, Louisiana 71107
Applicator
- F. M. POWELL**
170 S. Powatan Street
Fayetteville, N. C. 28301
Applicator
- JAMES C. PRICE**
Dillon County Airport
Dillon, South Carolina 29536
Applicator and Contractor
- RICHARD D. RAKE**
Route 1, Box 367
Aurora, N. C. 27806
c/o Phillips Air Service
New Albany, Mississippi 38652
Applicator
- CARROLL W. REEVES**
P. O. Box 7278
Shreveport, Louisiana 71107
Applicator
- VICTOR R. RICHARDS**
Box 488
Ahoskie, N. C.
Box 174
East Middlebury, Vermont 05753
Applicator
- JOHN A. ROBERTS**
Box 17442
Charlotte, N. C. 28211
Applicator

**ROCKY MOUNT AERIAL
APPLICATORS, INC.**
1320 Horne Street
Rocky Mount, N. C. 27801
Contractor

M. M. RODDY
Country Club Drive
Rocky Mount, N. C. 27801
Applicator

ELMER ROGERS
Rogers Aircraft Service
Box 83
Hope Mills, N. C. 28348
Contractor

W. B. ROWE, JR.
314 W. James Street
Vivian, Louisiana 71082
Applicator

W. B. ROWE, SR.
314 W. James Street
Vivian, Louisiana 71082
Applicator

LOUIS A. RUSSO
Route 3, Box 22B
Clinton, N. C. 28328
Applicator

CHARLES A. SPILLMAN, JR.
Route 2, Box 218
Trinity, N. C. 27370
Applicator and Contractor

JOSEPH W. STACY, JR.
P. O. Box 4217
Roanoke, Virginia 24015
Applicator

THOMAS E. STANCIL, JR.
P. O. Box 101
Washington, N. C. 27889
Applicator and Contractor

JOHN LEONARD STEIN
P. O. Box 361
Scotland Neck, N. C. 27874
P. O. Box 7
Bismarck, Illinois 61814
Applicator

ELBERT SUTHARD, JR.
Route 8, Box 302
Reidsville, N. C. 27320
Applicator and Contractor

HORACE A. TAYLOR
P. O. Box 165
Dillon, South Carolina 29536
Applicator

MARSHALL F. TILLETT, JR.
922 Woodruff Avenue
Elizabeth City, N. C. 27909
Applicator and Contractor

B. W. TRUEBLOOD
206 Southern Blvd.
Rocky Mount, N. C. 27801
Applicator

ROBERT G. UEDING
dba Ueding Flying Service
R.R. 5—Box 254
Vincennes, Indiana 47591
Contractor

MONTE RAY VAUGHAN
Route 2
Laurinburg, N. C. 28352
Applicator

LOUIS VIECK
1421 Parkinson
Vincennes, Indiana 47591
Applicator

CHARLES L. WALLACE, JR.
Route 1
New Wilmington, Pennsylvania 16142
P. O. Box 594
Darlington, South Carolina 29532
Applicator

GEORGE D. WALTERS
P. O. Box 84
Elizabeth City, N. C. 27909
Applicator and Contractor

ALLEN J. WARREN
Route 2, Box 532A
Leland, N. C. 28451
Applicator

FRED WHITFIELD
Alamance Aviation Service, Inc.
Route 7, Box 178
Burlington, N. C. 27215
Applicator and Contractor

ROBERT OWEN WHITFIELD
Whitfield Airplane Spraying
Route 2
Hurdle Mills, N. C. 27541
Applicator and Contractor

JOHN H. WHITTINGTON
Route 2, Box 79
Rowland, N. C. 28383
Applicator and Contractor

JOSEPH B. WILEY
P. O. Box 361
Scotland Neck, N. C. 27874
Palmetto Drive
Stuart, Florida 33494
Applicator

J. B. WILLIAMS, JR.
1320 Horne Street
Rocky Mount, N. C. 27801
Applicator

J. C. WILSON
Route 4, Box 301
Mooresville, N. C. 28115
Applicator

ROY W. WOOD
Route 3, Box 56
Raeford, N. C. 28376
Applicator and Contractor

Common and Chemical Names of Economic Poisons

ALANAP:

N-1-Naphthylphthalamic acid

ALDRIN:

Hexachlorohexahydro-endo, exo-dimethanonaphthalene 95% and related compounds 5%

ALLETHRIN:

Allyl homolog of cinerin I

AMIBEN:

3-Amino-2,5-dichlorobenzoic acid

AMITROLE:

3-Amino-1,2,4-triazole

ANTU:

Alpha-Naphthylthiourea

ARAMITE:

2-(p-tert-Butylphenoxy)-1-methylethyl 2-chloroethyl sulfite

ARSENIC TRIOXIDE:

Arsenious oxide

ATRAZINE:

2-Chloro-4-ethylamine-6-isopropylamino-s triazine

AZODRIN:

Dimethyl phosphate of 3-hydroxy-N-methyl-cis-crotonamide

BALAN; BENEFIN:

N-Butyl-N-ethyl-a,a,a-trifluoro-2,6-dinitro-p-toluidine benefin

BAYGON:

O-Isopropoxyphenyl methylcarbamate

BAYTEX; BAYER 29493:

O,O-Dimethyl O- [4-(methylthio)-m-toyl] phosphorothioate

BHC:

Benzene hexachloride

BIDRIN:

Dimethyl phosphate of 3-hydroxy-N,N-dimethyl-cis-crotonamide

BIPAL CVL 10:

Nonylphenoxy polyethyleneoxy ethanol—iodine complex

BOMYL:

Dimethyl 3-hydroxyglutaconate dimethyl phosphate

BORAX:

Sodium tetraborate

BORIC ACID:

Boracic acid

BUTYRAC:

2,4-Dichlorophenoxy butyric acid, sodium salt

CACODYLIC ACID:

Dimethylarsinic acid

CALCIUM ACID METHYL ARSONATE:

Methane arsonic acid, calcium hydrogen salt

CALCIUM ARSENATE:

Tricalcium arsenate

CALCIUM CYANAMIDE:

Calcium carbimide

CALCIUM CYANIDE:

Calcium cyanide

CALCIUM POLYSULFIDE:

Sulfurated lime

CAPTAN:

N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide

CHLORANIL:

Tetrachloro-p-benzoquinone

CHLORDANE (TECHNICAL):

60% Octachloro-4,7-methanotetrahydroindane and 40% related compounds

CHLOROBENZILATE:

Ethyl 4,4'-dichlorobenzilate

CHLOROPROPYLATE:

Isopropyl 4,4-dichlorobenzilate

CHLOROTHION:

O,O-Diethyl O-(3-chloro-4-nitrophenyl) phosphorothioate

CIODRIN:

Dimethyl phosphate of alpha-methylbenzyl 3-hydroxy-cis-crotonate

CIPC:

Isopropyl N-(3-chlorophenyl) carbamate

COPPER ARSENATE (BASIC):

Cupric arsenate (basic)

COPPER NAPHTHENATE:

Cupric Cyclopentane carboxylate

COPPER SULFATE:

Cupric sulfate

CO-RAL; COUMAPHOS:

O,O-diethyl 0-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate

COTORAN:

1,1-Dimethyl-3-(a,a,a-trifluoro-m-tolyl) urea

2,4-D:

2,4-Dichlorophenoxyacetic acid

DACTHAL:

Dimethyl tetrachloroterephthalate

DALAPON:

2,2-Dichloropropionic acid

DDD; TDE; RHOthane

Dichloro diphenyl dichloroethane

D-D SOIL FUMIGANT:A mixture of 1,3-dichloropropene, 1,2-dichloropropane and related C₃ compounds**DDT:**

Dichloro diphenyl trichloroethane

DDVP:

2,2-Dichlorovinyl dimethyl phosphate

DELNAV; DIOXATHION:

2,3-p-Dioxanedithiol S,S-bis (O,O-diethyl phosphorodithioate)

DELPHENE; DEET:

N,N-diethyl-m-toluamide

DEMETON:

A mixture of 0,0-diethyl 0-2-(ethylthio) ethyl phosphorothioate and 0,0-diethyl S-2-(ethylthio) ethyl phosphorothioate

DIAZINON:

0,0-diethyl-0(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate

DIBROM; NALED:

1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate

DICAMBA:

3,6-dichloro-o-anisic acid

DICAPTHON:

0-2-chloro-4-nitrophenyl 0,0-dimethyl phosphorothioate

DICHLOBENIL:

2,6-Dichlorobenzonitrile

DICHLONE:

2,3-Dichloro-1,4-naphthoquinone

DICHLOROPHENE:

2,2'-Methylenebis (4-Chlorophenol)

DIELDRIN:

Hexachloroepoxyoctahydro-endo, exo-dimethanonaphthalene

85% and related compounds 15%

DIMETHOATE:

0,0-Dimethyl S-(N-methylcarbamoylmethyl) phosphorodithioate

DIMETILAN; DIMETILANE:

2-Dimethylcarbamyl-3-methyl-5-pyrazolyl dimethylcarbamate

DIMITE:

4,4-Dichloro-alpha-methylbenzhydrol

DINITROBUTYLPHENOL:

4,6-Dinitro-o-sec-butylphenol

DINITROCRESOL; DNOC:

4,6-Dinitro-o-cresol

DIPHACINONE:

2-Diphenylacetyl-1,3-indandione

DIPHENAMID:

N,N-Dimethyl-2,2-diphenylacetamide

DIPTEREX; TRICHLOROFON:

Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate

DIQUAT:

6,7-Dihydrodipyrido [1,2-a:2',1'-c] pyrazidiinium dibromide

DISODIUM METHYL ARSONATE:

Disodium salt of methanearsonic acid

DISYTON; DISULFOTON:

0,0-Diethyl S- [2-(ethylthio) ethyl] phosphorodithioate

DIURON:

3-(3,4-Dichlorophenyl)-1,1-dimethylurea

ENDRIN:

Hexachloroepoxyoctahydro-endo, endo-dimethanonaphthalene

EPN:

0-Ethyl 0-p-nitrophenyl phenylphosphonothioate

EPTAM:

S-Ethyl dipropylthiocarbamate

ERBON:

2-(2,4,5-Trichlorophenoxy) ethyl-2,2-dichloropropionate

ETHION:

0,0,0',0'-Tetraethyl S-S'-methylene bisphosphorodithioate

ETHYLENE DIBROMIDE:

1,2-Dibromoethane

ETHYLENE DICHLORIDE:

1,2-Dichloroethane

ETHYL GUTHION:

0,0-Diethyl S- [4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate

ETHYL HEXANEDIOL:

2-Ethyl-1,3-hexanediol

FENURON:

3-Phenyl-1,1-dimethylurea

FERBAM:

Ferric dimethyldithiocarbamate

FOLEX:

Tributyl phosphorotrithioate

FUMARIN; COUMAFARYL:

3-(alpha-Acetyl)furfuryl)-4-hydroxycoumarin

GLYODIN:

2-Heptadecylimidazoline acetate

GUTHION:

0,0-Dimethyl S- [4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate

HEPTACHLOR:

Heptachlorotetrahydro-4,7-methanoindene

HEXACHLOROPHENE:

2,2'-Methylene bis (3,4,6-trichlorophenol)

HYDROGEN CHLORIDE:

Hydrochloric acid

ISOPROPYL ALCOHOL:

Dimethylcarbinol

KARATHANE; DINOCAP:

2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate

KELTHANE; DICOFOL:

1,1-Bis (p-chlorophenyl)-2,2,2-trichloroethanol

KEPONE:Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta (cd)
pentalen-2-one**KORLAN; RONNEL:**

0,0-Dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

LEAD ARSENATE:

Diplumbic hydrogen arsenate

LETHANE A70:

Beta, beta'-Dithiocyanato diethyl ether

LETHANE 60:Beta-thiocyanatoethyl esters of mixed fatty acids containing 10 to
18 carbon atoms**LETHANE 384:**

Beta-butoxy beta'-thiocyanato diethyl ether

LINDANE:

Gamma isomer of benzenehexachloride

LINURON:

3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea

MALATHION:

0,0-Dimethyl dithiophosphate of diethyl mercaptosuccinate

MANEB:

Manganese ethylenebisdithiocarbamate

MECPROP:

2-(2-Methyl-4-chlorophenoxy) propionic acid

METALDEHYDE:

Metacetaldehyde

METHOXYCHLOR (TECHNICAL):2,2-Bis (p-methoxyphenyl)-1,1,1-trichloroethane 88% and
related compounds 12%**METHYLMERCURY 2,3-DEHYDROXYPROPYLMERCAPTIDE:**

Methylmercury 2,3-dehydroxypropylmercaptide

METHYL PARATHION:

0,0-Dimethyl 0-p-nitrophenyl phosphorothioate

METHYL TRITHION:

S-[[[(p-Chlorophenyl)thio] methyl] o,o-dimethyl phosphorodithioate

MH-30; MALEIC HYDRAZIDE:

1,2-Dihydro-3,6-pyridazinone

MOCAP:

0-Ethyl-S,S-dipropyl phosphorodithioate

MONOSODIUM ACID METHANEARSONATE:

Methanearsonic acid, monosodium salt

MONURON:

3-(p-Chlorophenyl)-1,1-dimethylurea

MYLONE:

Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione

NEBURON:

1-Butyl-3-(3,4-dichlorophenyl)-1,1-methylurea

NEMAGON:

1,2-Dibromo-3-chloropropane

NICOTINE:

L-3-(1-Methyl-2-pyrolidyl) pyridine

N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE:

N-2-Ethylhexylimide of endomethylenetetra-hydrophthalic acid

NOREA:

3-(Hexahydro-4,7-methanoindan-5-yl)-1,1-dimethylurea

ORGANIC AMMONIUM CHLORIDES:

A mixture of alkyl benzylammonium chlorides

OVEX; OVOTRAN:

p-Chlorophenyl p-chlorobenzenesulfonate

PARADICHLOROBENZENE:

1,4-Dichlorobenzene

PARAFORMALDEHYDE:

Trioxymethylene

PARATHION:

0,0-Diethyl 0-paranitrophenyl thiophosphate

PARIS GREEN:

Copper acetoarsenite

PENAR:

Dimethyldodecylamine acetate

PENPHENE:

Tetrachlorothiophene

PERTHANE

Diethyl diphenyl dichloroethane and related compounds

PHALTAN; FOLPET:

N-(Trichloromethylthio) phthalimide

PHENOL:

Carbolic acid

PHOSDRIN:

Alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate

PHOSPHAMIDON:

2-Chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate

PHOSPHORIC ACID:

Ortho-phosphoric acid

PIPERONYL BUTOXIDE (TECHNICAL):

Butylcarbitol-6-(propyl piperonyl) ether 80% and related compounds 20%

PIPERONYL CYCLONENE:

A mixture of 3-alkyl-6-carbethoxy-5-(3,4-methylene-dioxyphenyl)-2-cyclohexene-1-one and 3-alkyl-5-(3,4-methylene-dioxyphenyl)-2-cyclohexene-1-one

PIVAL:

2-Pivaloyl-1,3-indandione

PIVALYN:

Sodium salt of 2-pivaloyl-1,3-indandione

POLYRAM:

A mixture of zineb and zinc dithiobis(thiocarbonyl) iminoethylene bisdithiocarbamate

POTASSIUM CYANATE:

Potassium cyanate

PRAMEX:

N,N-di-n-butyl-p-chlorobenzene sulfonamide

PROMETONE:

2-Methoxy-4,6-bis(isopropylamino)-S-triazine

PYRETHRUM:

Chrysanthemum cineroreaeefolium

ROTENONE:

Derrin; tubatoxin

SABADILLA:

Schoenocaulon officinale alkaloid

SESONE:

Sodium 2-(2,4-dichlorophenoxy) ethyl sulfate

SEVIN; CARBARYL:

1-Naphthyl N-methylcarbamate

SHOXIN; NORBROMIDE:

A mixture of stereoisomers of 5-alpha-hydroxy-alpha-2-pyridylbenzyl)-7-(alpha-2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide

SILVEX:

2-(2,4,5-Trichlorophenoxy) propionic acid

SIMAZINE:

2-Chloro-4,6-bis(ethylamino)-s-triazine

SODIUM ARSENATE:

Disodium arsenate

SODIUM ARSENITE:

Sodium meta-arsenite

SODIUM CHLORATE:

Sodium chlorate

SODIUM FLUORIDE:

Sodium fluoride

SODIUM FLUOSILICATE:

Sodium silicofluoride

SODIUM HYDROXIDE:

Sodium hydrate

SODIUM SALT OF DINITROBUTYLPHENOL

2,4-Dinitro-6-sec-butylphenol, sodium salt of

SODIUM SULFATE:

Sodium sulfate

STROBANE:

A mixture of heptachlorocamphene, heptachloropinene and other chlorinated terpenes

STRYCHNINE:

Strychnos nux-vomica alkaloid

SULFOTEPP:

0,0,0,0-Tetraethyl dithiopyrophosphate

SULFUR:

Sulfur

2,4,5-T:

2,4,5-Trichlorophenoxyacetic acid

TEDION; TETRADIFON:

4-Chlorophenyl 2,4,5-trichlorophenyl sulphone

TENORAN; CHLOROXURON:

3- [p-(p-Chlorophenoxy) phenyl] -1,1-dimethylurea

TEPP:

Tetraethyl pyrophosphate

TERRACLOR:

Pentachloronitrobenzene

THALLIUM SULFATE:

Thallous sulfate

THANITE:

Isobornyl thiocyanoacetate and related compounds

2,2' THIOBIS (4,6-DICHLOROPHENOL):

Bis(2-hydroxy-3,5-chlorophenyl) sulfide

THIODAN; ENDOSULFAN:

Hexachlorohexahydromethano-2,4,3-benzodioxathiepin oxide

THIRAM:

Tetramethylthiuram disulfide

TILLAM; PEBULATE:

S-Propyl butylethylthiocarbamate

TOXAPHENE:

Chlorinated camphene

TRIFLURALIN:

a,a,a-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine

TRITHION; CARBOPHENOTHION:

S- [(p-Chlorophenylthio) methyl] 0,0-diethyl phosphorodithioate

VAPAM; METHAM SODIUM:

Sodium methyldithiocarbamate

VAPONA; DICHLOOROVOS:

Not less than 93% dimethyl dichlorovinyl phosphate and not more than 7% related compounds

VERNAM; VERNOLATE:
S-Propyl dipropylthiocarbamate

WARFARIN:
3-(α -Acetonylbenzyl)-4-hydroxycoumarin

ZAC:
Ziram cyclohexylamine complex

ZECTRAN:
4-(Dimethylamino)-3,5-xylyl methylcarbamate

ZINC NAPHTHENATE:
Zinc cyclopentane carboxylate

ZINC PHOSPHIDE:
Zinc phosphide

ZINEB:
Zinc ethylenebisdithiocarbamate

ZIRAM:
Zinc dimethyldithiocarbamate

**Official Analyses
of
Economic Poisons
1968**

Summary of Economic Poisons Examined—1968

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Mis-branded	Not Registered
Arsenicals					
Arsenic trioxide	3	—	1	—	—
Cacodylic acid	1	—	—	—	—
Calcium acid Methanearsenate	1	—	—	—	—
Calcium arsenate preparations	1	—	—	—	—
Copper acetoarsenite	2	—	—	—	—
Lead arsenate preparations	5	—	—	—	—
Monosodium acid methanearsenate	3	—	—	—	—
Sodium arsenate	3	—	—	—	—
Sodium arsenite	7	—	—	—	—
Tricalcium arsenate preparations	2	—	—	—	1
Botanicals					
Hardwood oils	1	—	—	—	—
Nicotine	1	—	—	—	—
Oil of lemongrass	—	—	—	—	1
Pine oil preparations	2	—	—	—	2
Pyrethrins preparations	25	2	—	—	5
Rotenone preparations	24	3	—	—	3
Sabadilla	3	—	—	—	1
Strychnine preparations	10	1	—	—	2
Organic Chlorine Compounds					
Aldrin preparations	16	2	—	—	3
BHC preparations	34	8	—	1	8
Captan preparations	6	1	—	—	—
Chlordane preparations	27	5	1	1	3
Chloropropylate	1	—	—	—	—
2,4-D—2,4,5-T preparations	11	—	—	—	2
Dacthal	3	—	—	—	—
Dalapon, sodium salt	1	—	—	—	—
D-D fumigant	1	—	—	—	—
DDD preparations	68	10	1	—	5
DDT preparations	146	41	1	2	18
DDVP preparations	22	3	—	1	8
Dieldrin preparations	10	2	—	1	2
Ethylene dichloride preparations	1	—	—	—	1
Heptachlor	—	—	—	—	1
Kepone	3	—	—	—	2
Keithane preparations	—	—	—	—	1
Methoxychlor preparations	14	2	—	—	3
Nemagon	2	1	—	—	1
Organic ammonium chloride preparations	1	—	—	—	3
Paradichlorobenzene preparations	7	—	—	—	6
Pentachlorophenol	1	—	1	—	2
Perthane	2	—	—	—	—
Ronnel preparations	3	—	—	—	—
Silvex	2	—	—	—	—
Stropane	1	—	—	—	—
Terraclor preparations	7	—	—	—	3
Thiodan	1	—	—	—	1
Toxaphene preparations	54	20	—	3	10
Trithion	2	—	—	—	—
Metallic Compounds					
Calcium preparations	6	—	—	—	—
Copper preparations	28	10	—	—	8
Ferbam preparations	11	2	—	—	2
Maneb preparations	2	5	—	—	—
Mercury preparations	1	—	—	—	—
Polyram preparations	3	—	—	—	1
Sodium preparations	5	—	—	—	—
Zinc preparations	2	—	—	—	1
Zineb preparations	8	6	—	—	3

Summary of Economic Poisons Examined—1968—Continued

TYPES	SAMPLES				
	Passed	Deficient	Exces- sive Active Ingre- dient	Mis- branded	Not Regis- tered
Phosphorus Compounds					
Ciodrin	5	—	—	—	—
Co-Ral	1	—	—	—	—
Demeton	—	1	—	—	—
Diazinon preparations	11	—	—	—	1
Dipterex	2	1	—	—	1
EPN	—	—	—	—	1
Malathion preparations	31	12	—	—	10
Parathion preparations	17	12	—	2	4
Phosdrin	1	1	—	—	—
Phosphamidon	1	—	—	—	—
Phosphorus	4	1	—	—	1
Miscellaneous					
Alanap preparations	4	—	—	—	—
Amiben, ammonium salt	2	—	—	—	—
Amitrole	1	—	—	—	—
Atrazine preparations	2	—	—	—	—
Balan	2	—	—	—	—
Boric acid	4	1	—	—	1
Cotoran	1	—	—	—	—
Delphene preparations	8	—	—	—	2
Dibrom	3	—	—	—	—
Diquat	2	—	—	—	—
Di-Syston	2	—	—	—	—
Eptam	1	—	—	—	—
Ethylene dichloride preparations	1	—	—	—	1
Ethyl hexanediol	2	—	—	—	1
Fluorine compounds	12	3	—	1	2
Fumarin	11	—	—	—	1
Hydrogen chloride	—	—	—	—	1
Iodine preparations	1	—	—	—	—
Isopropyl alcohol	—	—	—	—	1
Metaldehyde	4	—	—	—	—
MH-30	2	—	—	—	—
Mocap	2	—	—	—	—
Naphthalene	3	—	—	—	8
Paraformaldehyde	1	—	—	—	—
Penar	2	—	—	—	—
Petroleum derivative solvents	5	—	—	—	1
Phenol preparations	4	1	—	—	5
Pival	5	—	—	—	1
Pivalyn	3	—	—	—	—
Prometon	1	—	—	—	—
Sevin preparations	89	20	1	2	14
Shoxin	1	—	—	—	—
Sulfur	5	—	—	—	2
Thiram	2	—	—	—	1
Vernam	1	—	—	—	—
Warfarin	29	1	—	1	3
TOTALS	898	179	5	15	177

Number of manufacturers registered (total)	504
Number manufacturers registered from North Carolina	62
Number of items registered	4,802
Number stop sale orders issued	376
Number of items stopped from sale because of failure to register	161

Decisions

The results of analyses of economic poisons are tabulated in the following pages. For the reader's ready interpretation of the analyses, designations used are explained in the following paragraphs.

"Passed" signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements. Small deviations in analyses are normal.

"Deficient" usually signifies that one or more ingredients fell significantly below guarantee, although it may also indicate an excess of a harmful ingredient, as in case of water-soluble arsenic. Such products, in most instances, qualify as unsatisfactory and are subject to "Stop Sale Order" and removal from the market for reprocessing or relabeling. In borderline cases, where exact values are indeterminate, the product is qualified as deficient but the manufacturer cautioned. In some instances where such goods have been used before analysis could be completed, the manufacturer has made settlement satisfactory to the user.

"Adulterated" indicates that significant quantities of undeclared active ingredients were present. Since proof of adulteration disqualifies a product, analysis may be discontinued at that point thus saving further expenditure of time and work. Such lots, batches or brands are stopped from sale and other appropriate action taken.

"Misbranded" signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as a saba-dilla seed.

In some instances of misbranding the defect appeared to be inadvertent or of a minor nature. It appeared permissible and fair to allow the manufacturer time for correction. In others, removal from sale was necessary.

"Not Registered" signifies that the product was not registered at the time it was sampled. Prompt registration is required or the product is removed from sales.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.

Official Analyses of Economic Poisons, 1968

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ALANAP—4-6-DINITRO-O-SEC-BUTYLPHENOL			
Uniroyal Chemical Division of Uniroyal, Inc.			
Dyanap			
Sodium alanap	22.30	22.66	Passed
Sodium 4,6-dinitro-o-sec-butylphenate	11.50	11.43	
Sodium alanap	22.30	22.57	Passed
Sodium 4,6-dinitro-o-sec-butylphenate	11.50	11.51	
Sodium alanap	22.30	22.80	Passed
Sodium 4,6-dinitro-o-sec-butylphenate	11.50	11.90	
United States Rubber Co.			
Dyanap			
Alanap	20.80	21.03	Passed
4,6-Dinitro-o-sec-butylphenate	10.50	11.07	
ALDRIN			
Allied Chemical Corp. Nitrogen Div.			
Arcadian Aldrin EM-4 EC			
Aldrin	43.42	42.14	Not Registered
E-Z-Flo Chemical Co.			
5% Aldrin Granular			
Aldrin	5.00	5.01	Passed
FCX, Inc.			
FCX 5% Aldrin Granular			
Aldrin	5.00	4.93	Passed
do	5.00	3.43	Deficient
FCX 10% Aldrin Granular			
Aldrin	10.00	9.00	Deficient
W. R. Grace and Co.			
Maxwell Insecticides 5% Aldrin Granular			
Aldrin	5.00	5.54	Passed

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Naco Aldrin 5% Granules				
Aldrin	5.00	5.29	Passed	
Miller Chemical and Fertilizer Co.				
Miller 20% Aldrin Granular				
Aldrin	20.00	21.92	Not Registered	
Niagara Chemical Div. FMC Corp.				
Niagara Granular 5% Aldrin Dust				
Aldrin	5.00	5.32	Passed	
do	5.00	5.25	Passed	
Olin Mathieson Chemical Corp.				
Aldrin 10% Granular				
Aldrin	10.00	10.22	Passed	
Pearson and Co.				
Pearson's Seed Saver				
Aldrin	22.70	22.78	Passed	
Planters Chemical Co. Division of Thompson-Hayward Chemical Co.				
Planters 10% Aldrin Granular				
Aldrin	10.00	9.65	Passed	
do	10.00	9.72	Not Registered	
Shell Chemical Co.				
Aldrin 20% Granules				
Aldrin	20.00	22.57	Passed	
do	20.00	21.28	Passed	
Smith-Douglass Div. The Borden Chemical Co.				
Aldrin 2 lb. E.C.				
Aldrin	24.50	25.91	Passed	
Southern Agricultural Insecticides, Inc.				
SA-50 Brand 5% Aldrin Granules				
Aldrin	5.00	5.57	Passed	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Co-Operatives, Inc.			
Unico Crow-Defeat Seed Treater			
Aldrin	15.00	14.89	Passed
ALDRIN—CAPTAN			
Bonide Chemical Company, Inc.			
Bonide Crotox Powder			
Aldrin	5.00		Passed
Captan	12.50		
Theoretical chlorine	7.14	6.89	
Chevron Chemical Co. Ortho Div.			
Ortho Bird Repellent and Seed Protectant			
Aldrin	20.00		Passed
Captan	12.50		
Theoretical chlorine	16.62	16.38	
AMIBEN			
Amchem Products, Inc.			
Amiben			
Ammonium salt of amiben	23.40	22.93	Passed
do	23.40	23.08	Passed
ARSENICALS ARSENIC TRIOXIDE			
Corajon Chemical Company, Inc.			
Force's Mole Killer			
Arsenic trioxide	5.00	4.75	Passed
do	5.00	4.95	Passed
F. B. Singletary, Jr. and Co.			
Singletary's Pest Control			
Arsenic trioxide	3.50	7.15	Excessive Active Ingredient
Singletary and Company, Inc.			
Singletary's Pest Control			
Arsenic trioxide	3.50	3.67	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CACODYLIC ACID**O. M. Scott and Sons**

Erase

Cacodylic acid	7.20	7.26	Passed
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CALCIUM ACID METHYL ARSONATE**Amchem Products, Inc.**

Weedone Crab Grass Killer

Calcium acid methyl arsonate	10.30	10.51	Passed
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CALCIUM ARSENATE—METALDEHYDE**Chevron Chemical Co.
Ortho Div.**

Ortho Bug-Geta Pellets

Calcium arsenate	5.00	5.92	Passed
Arsenic as metallic	1.88	2.23	
Arsenic as water soluble (not more than)	1.88	0.98	
Metaldehyde	3.25	3.37	

COPPER ACETOARSENITE**The Sherwin-Williams Company**

Sherwin-Williams Paris Green

Copper acetoarsenite	90.00	90.37	Passed
Arsenic as metallic	40.00	40.07	
Arsenic as water soluble (not more than)	2.70	0.84	
Copper as metallic	23.00	23.40	
Copper acetoarsenite	90.00	93.09	Passed
Arsenic as metallic	40.00	41.24	
Arsenic as water soluble (not more than)	2.70	0.69	
Copper as metallic	23.00	24.21	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
LEAD ARSENATE			
Acme Quality Paints, Inc.			
Acme Arsenate of Lead			
Lead arsenate	98.00	96.94	Passed
Arsenaic as metallic	21.15	20.92	
Arsenic as water soluble (not more than)	0.50	0.49	
Lead as metallic	58.00	58.79	
Allied Chemical Corp.			
Nitrogen Div.			
Arcadian Powdered Standard Lead Arsenate			
Lead arsenate	98.00	97.36	Passed
Arsenic as metallic	20.50	21.01	
Arsenic as water soluble (not more than)	0.25	0.21	
Lead as metallic	58.50	58.92	
DeSoto Chemical Company, Inc.			
Gator Roach Hives			
Lead arsenate	16.20	15.43	Passed
Arsenic as metallic	3.50	3.33	
Arsenic as water soluble (not more than)	0.10	0.09	
Lead arsenate	16.20	17.09	Passed
Arsenic as metallic	3.50	3.69	
Arsenic as water soluble (not more than)	0.10	0.09	
Woolfolk Chemical Works, Ltd.			
Security Lead Arsenate			
Lead arsenate	97.00	95.65	Passed
Arsenic as metallic	20.90	20.64	
Arsenic as water soluble (not more than)	0.33	0.21	
Lead as metallic	57.80	58.34	
MONOSODIUM ACID METHANEARSONATE			
The Ansul Co.			
Ansar 529			
Monosodium acid methanearsonate	34.80	36.09	Passed
do	34.80	33.70	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Diamond Alkali Co.			
Bueno			
Monosodium acid methanearsonate			
	34.66	36.32	Passed
SODIUM ARSENATE			
Atla Chemical Company, Inc.			
Atla Anti-Ant			
Sodium arsenate	1.88	1.81	Passed
Senoret Chemical Company, Inc.			
Terro Ant Killer			
Sodium arsenate	2.27	2.33	Passed
do	2.27	2.29	Passed
SODIUM ARSENITE			
Boyle-Midway, Inc.			
Antrol Ant Killer			
Sodium arsenite	0.61	0.60	Passed
Chevron Chemical Co.			
Ortho Div.			
Ortho Triox Weed Killer			
Sodium arsenite	55.00	55.52	Passed
Getem Manufacturing Company, Inc.			
"Getem" Ant Poison			
Sodium arsenite	0.26	0.36	Passed
United Co-Operatives, Inc.			
Unico Sodium Arsenite Weed Killer Solution			
Sodium arsenite	42.50	41.53	Passed
do	42.50	41.81	Passed
Woolfolk Chemical Works, Ltd.			
Security 40% Solution Sodium Arsenite			
Sodium arsenite	40.00	41.47	Passed
do	40.00	43.68	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
TRICALCIUM ARSENATE—COPPER			
Seacoast Laboratories, Inc.			
Twin Light Tomato Dust			
Tricalcium arsenate	14.00	14.29	Not Registered
Arsenic as metallic	5.20	5.38	
Arsenic as water soluble (not more than)	0.50	0.31	
Copper as metallic	7.00	6.79	
Woolfolk Chemical Works, Ltd.			
Security Tomato Dust			
Tricalicum arsenate	60.00	59.65	Passed
Arsenic as metallic	22.69	22.45	
Arsenic as water soluble (not more than)	0.49	0.24	
Copper as metallic	7.00	6.87	
TRICALCIUM ARSENATE—METALDEHYDE			
Boyle-Midway, Inc.			
Snarol Pellets			
Tricalcium arsenate	5.00	5.42	Passed
Arsenic as metallic	1.88	2.04	
Arsenic as water soluble (not more than)	1.25	1.16	
Metaldehyde	3.15	3.11	
ATRAZINE			
Geigy Agricultural Chemicals Division of Geigy Chemical Corp.			
Atrazine 80W			
Atrazine	80.00	81.60	Passed
ATRAZINE—LINURON			
W. R. Grace and Co.			
Naco Kleen Korn 30-30			
Atrazine	30.80		Passed
Linuron	30.80		
Theoretical nitrogen	13.74	14.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BALAN			
Elanco Products Co. A Division of Eli Lilly and Co.			
Balan Granular			
Balan	2.50	2.79	Passed
Balan Liquid Concentrate			
Balan	19.40	19.30	Passed
BHC			
Aceline Products Corp.			
Ace Flea Collar			
Gamma isomer of BHC	0.56	0.56	Passed
Ace Flea Collar for Dogs			
Gamma isomer of BHC	0.63	0.65	Passed
Carolina Chemical Corp.			
Champion Transplantox			
Gamma isomer of BHC	5.00	5.21	Not Registered
do	5.00	3.94	Deficient Misbranded Not Registered
Chevron Chemical Co. Ortho Div.			
Ortho Isotox Transplanter Solution			
Gamma isomer of BHC	7.50	7.82	Passed
Ortho Isotox Spray No. 200			
Gamma isomer of BHC	20.00	20.75	Passed
E-Z-Flo Chemical Co.			
Beetle Spray			
Gamma isomer of BHC	11.00	11.97	Passed
Farmingdale Garden Laboratories, Inc.			
20% Lindane Insecticide Borer Spray			
Gamma isomer of BHC	20.00	19.90	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FCX, Inc.			
FCX 25% Lindane Wettable Spray Powder			
Gamma isomer of BHC	25.00	23.22	Deficient
The R. T. French Co.			
French's Flea Collar			
Gamma isomer of BHC	0.75	0.50	Deficient Not Registered
Hartz Mountain Products Corp.			
Hartz Flea Collar (Cat)			
Gamma isomer of BHC	0.75	0.74	Passed
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Six Roost Paint			
Gamma isomer of BHC	1.00	1.33	Passed
LeGear Laboratories, Inc.			
LeGear Dog Shampoo			
Gamma isomer of BHC	0.032	0.038	Passed
Rigo Manufacturing Co.			
Kill-Ko Lindane Concentrate Emulsifiable			
Gamma isomer of BHC	20.00	21.25	Passed
Texize Chemicals, Inc. Freewax Div.			
Texize New Clear Freewax			
Gamma isomer of BHC	0.50	0.49	Passed
BHC—ARAMITE—DDT— KARATHANE—ZINEB			
Maxwell Insecticide Company, Inc.			
Maxwell Insecticides New Formula Rose Dust			
Gamma isomer of BHC	1.00		Passed
Aramite	1.50		
DDT	5.00		
Karathane	1.00		
Zineb	6.00		
Theoretical chlorine	3.39	3.49	
Theoretical nitrogen	0.69	0.72	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—CAPTAN			
Chevron Chemical Co. Ortho Div.			
Isotox 25 Seed Treater (F)			
Gamma isomer of BHC	25.00		Passed
Captan	12.50		
Theoretical chlorine	22.72	22.06	
Gamma isomer of BHC	25.00		Passed
Captan	12.50		
Theoretical chlorine	22.72	22.22	
BHC—CAPTAN—DDT— ROTIENONE—SULFUR			
Carbola Chemical Company, Inc.			
Carbola CCC Rose Dust or Spray			
Gamma isomer of BHC	0.50		Passed
Captan	7.50		
DDT	5.00		
Rotenone	0.75	0.95	
Sulfur	20.00	20.45	
Theoretical chlorine	5.53	5.21	
BHC—CAPTAN— MALATHION			
William Cooper and Nephews, Inc.			
Pulvex Zema-Dip			
Gamma isomer of BHC	2.00		Not Registered
Captan	0.75		
Malathion	16.00	15.47	
Theoretical chlorine	1.73	1.80	
BHC—DDT			
Dixi Chem of Greenville, Inc.			
Di-Sect Livestock Wound Protectant			
Gamma isomer of BHC	2.40		Not Registered
DDT	13.60		
Theoretical chlorine	8.56	8.40	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co. Agricultural Chemical Div.			
Swift's Flea Killer 3-10-0			
Gamma isomer of BHC	3.00	3.06	Passed
DDT	10.00	10.06	
Woolfolk Chemical Works, Ltd.			
Security 3-10-0 Cotton Dust (BHC-DDT)			
Gamma isomer of BHC	3.00	3.20	Passed
DDT	10.00	11.13	
BHC—DDT—KARATHANE— MANEB			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Rose Dust			
Gamma isomer of BHC	1.00		Passed
DDT	10.00		
Karathane	0.22		
Maneb	5.00		
Theoretical chlorine	5.73	6.02	
Theoretical nitrogen	0.55	0.79	
Gamma isomer of BHC	1.00		Passed
DDT	10.00		
Karathane	0.22		
Maneb	5.00		
Theoretical chlorine	5.73	5.85	
Theoretical nitrogen	0.55	0.77	
BHC—DDT—MALATHION— SULFUR—ZINEB			
United Co-Operatives, Inc.			
Unico Dust for Ornamentals			
Gamma isomer of BHC	1.00		Deficient
DDT	5.00		
Malathion	4.00	0.90	
Sulfur	25.00	25.50	
Zineb	5.00	3.28	
Theoretical chlorine	3.23	3.21	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—DDT—MALATHION— TEDION			
Rigo Manufacturing Co.			
Kill-Ko Multi-Purpose Spray			
Gamma isomer of BHC	5.00		Not Registered
DDT	5.00		
Malathion	10.00	10.06	
Tedium	3.00		
Theoretical chlorine	7.35	8.29	
BHC—DDT—PHALTAN— SULFUR			
Chevron Chemical Co. Ortho Div.			
Ortho Rose and Flower Dust			
Gamma isomer of BHC	1.00		Passed
DDT	5.00		
Phaltan	7.50		
Sulfur	30.00	30.41	
Theoretical chlorine	5.92	6.50	
Gamma isomer of BHC	1.00		Passed
DDT	5.00		
Phaltan	7.50		
Sulfur	30.00	30.48	
Theoretical chlorine	5.92	6.68	
BHC—DDT—THANITE			
Esso, Inc.			
Flit Fly and Mosquito Killer			
Gamma isomer of BHC	0.075		Passed
DDT	1.75		
Thanite	1.00	0.89	
Theoretical chlorine	0.93	0.93	
BHC—DIBROM			
Chevron Chemical Co. Ortho Div.			
Ortho Ant and Roach Spray			
Gamma isomer of BHC	0.25	0.28	Passed
Dibrom	0.50	0.67	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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BHC—HEXACHLOROPHENONE

Westchester Veterinary Products
Division of Combe Chemical, Inc.

**Dr. Merrick's Scratchex Medicated Powder
 for Dogs**

Gamma isomer of BHC	1.00		
Hexachlorophene	0.50		
Theoretical chlorine	0.99	0.88	

BHC—HEXACHLOROPHENONE
—2,2' THIOBIS (4,6-
DICHLOROPHENOL)

Dr. LeGear, Inc.

LeGear Flea and Tick Powder

Gamma isomer of BHC	1.00		
Hexachlorophene	1.00		
2,2' Thiobis (4,6-dichlorophenol) ..	1.00		
Theoretical chlorine	1.65	1.68	
Gamma isomer of BHC	1.00		
Hexachlorophene	1.00		
2,2' Thiobis (4,6-dichlorophenol) ..	1.00		
Theoretical chlorine	1.65	1.71	

**BHC—MALATHION—
 PYRETHRINS**

House of Huston, Inc.

Little Pal 5 Minute Dog Flea Powder

Gamma isomer of BHC	1.00	1.00	
Malathion	2.00	1.64	
Pyrethrins	0.25	0.18	

BHC—MANEB

Daly-Herring Co.

D-H Cucumber-Melon Special Dust

Gamma isomer of BHC	0.75	0.68	
Maneb	4.20	4.08	
Gamma isomer BHC	0.75	0.87	
Maneb	4.20	3.73	

D-H Cucumber and Melon Special Wettable Powder

Gamma isomer of BHC	8.30	7.78	
Maneb	53.20	50.51	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—METHOXYCHLOR—SULFUR			
Ralston Purina Co.			
Purina Insect Killer			
Gamma isomer of BHC	0.50		Passed
Methoxychlor	2.50		
Sulfur	10.00	10.90	
Theoretical chlorine	1.13	1.29	
Gamma isomer of BHC	0.50		Passed
Methoxychlor	2.50		
Sulfur	10.00	10.76	
Theoretical chlorine	1.13	1.19	
Gamma isomer of BHC	0.50		Passed
Methoxychlor	2.50		
Sulfur	10.00	10.28	
Theoretical chlorine	1.13	1.19	
BHC—PHALTAN—PYRETHRINS—ROtenone			
Sears, Roebuck and Co.			
Rose, Evergreen and Flower Spray			
Gamma isomer of BHC	0.50		Deficient
Phaltan	0.50		
Pyrethrins	0.05	0.08	
Rotenone	0.10	Present	
Theoretical chlorine	0.55	0.33	
BHC—OVEX—PHALTAN—PYRETHRINS—ROtenone			
Chevron Chemical Co.			
Ortho Div.			
Ortho Rose and Flower Spray			
Gamma isomer of BHC	0.500		Passed
Ovex	0.125		
Phaltan	0.500		
Pyrethrins	0.025	0.039	
Rotenone	0.200	Present	
Theoretical chlorine	0.57	0.80	
BHC—PIPERONYL BUTOXIDE—PYRETHRINS			
William Cooper and Nephews, Inc.			
Pulvex Flea and Tick Spray			
Gamma isomer of BHC	0.10	0.10	Passed
Piperonyl butoxide	0.24	0.21	
Pyrethrins	0.03	0.03	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC—ROtenone			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 1% Lindane 1% Rotenone			
Gamma isomer of BHC	1.00	1.20	Passed
Rotenone	1.00	1.09	
BHC—SEVIN—SULFUR—ZINEB			
United Co-Operatives, Inc.			
Unico Rose and Floral Spray Powder			
Gamma isomer of BHC	3.00	2.93	Not Registered
Sevin	12.50		
Sulfur	25.00	28.35	
Zineb	12.50		
Theoretical nitrogen	2.14	2.16	
BHC—SULFUR			
Ralston Purina Co.			
Purina Hog and Cattle Dusting Powder			
Gamma isomer of BHC	1.00	1.00	Passed
Sulfur	10.00	10.38	
BHC—TOXAPHENE			
Farnam Companies, Inc.			
Farnam Toxanox Plus Livestock Spray Concentrate			
Gamma isomer of BHC	1.80		Not Registered
Toxaphene	45.00		
Theoretical chlorine	31.47	30.32	
BORIC ACID			
P. F. Harris Manufacturing Company, Inc.			
Harris Famous Roach Tablets			
Boric acid	40.00	39.63	Passed
do	40.00	47.07	Passed
James W. King Co.			
King Roach Killer Kaps			
Boric acid	40.00	48.73	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Pest-Guard Products, Inc.

Pest-Guard Roach Tablets

Boric acid	40.00	40.07	Passed
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Spindle City Chemical Co.

Doc Edmond's Roach Powder

Boric acid	99.00	97.46	Passed
do	99.00	94.74	Deficient

CALCIUM CYANIDE**American Cyanamid Co.****Agricultural Div.**

Cyanogas A-Dust

Calcium cyanide	42.00	43.29	Passed
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Cyanogas Ant-Killer

Calcium cyanide	42.00	41.58	Passed
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CALCIUM HYPOCHLORITE**Pennsalt Chemicals Corp.**

BK Powder

Calcium hypochlorite	50.00	50.05	Passed
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Olin Mathieson Chemical Corp.

Olin HTH Granular Dry Chlorine

Calcium hypochlorite	70.00		
Available chlorine	70.00	68.22	Passed

CAPTAN**Chevron Chemical Co.****Ortho Div.**

Ortho Soybean Seed Protectant

Captan	25.00	25.25	Passed
do	25.00	25.00	Passed

G. N. Coughlan Company, Inc.

De-Moist Mildew Spray

Captan	0.04	0.04	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters 7½% Captan Dust			
Captan	7.50	7.42	Passed
Stauffer Chemical Co.			
Captan 50-WP			
Captan	50.00	51.18	Passed
CAPTAN—TERRACLOR			
Olin Mathieson Chemical Corp.			
Terracap 10-10 Dust			
Captan	10.00		Passed
Terraclor	10.00		
Theoretical chlorine	9.54	9.54	
Stauffer Chemical Co.			
Stauffer Captan-Terraclor 10-10 Seed Protectant			
Captan	10.00		Deficient
Terraclor	10.00		
Theoretical chlorine	9.54	8.86	
CHLORDANE			
Acme Quality Paints, Inc.			
Acme 6% Chlordane Dust			
Chlordane	6.00	5.83	Passed
do	6.00	5.92	Passed
Black Leaf Products Co.			
Black Leaf Chlordane Dust			
Chlordane	10.00	9.07	Deficient Not Registered
Carolina Chemical Corp.			
Champion Chlordane Emulsifiable Concentrate			
Chlordane	72.00	71.04	Misbranded

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Chevron Chemical Co. Ortho Div.				
Ortho-Klor 10 Chlordane Dust				
Chlordane	10.00	10.00	Passed	
Coastal Chemical Corp.				
Chlordane				
Chlordane	72.00	70.28	Passed	
Daly-Herring Co.				
D-H 10% Granular Chlordane				
Chlordane	10.00	10.43	Passed	
The d-Con Company, Inc. Subsidiary of Sterling Drug, Inc.				
d-Con Ant-Prufe Special Formula AP 200				
Chlordane	2.00	2.18	Passed	
d-Con Roach-Prufe Special Formula RP 200				
Chlordane	2.00	2.27	Passed	
E-Z-Flo Chemical Co.				
Chloro 8 Spray				
Chlordane	72.00	72.18	Passed	
FCX, Inc.				
FCX 5% Chlordane Granular				
Chlordane	5.00	5.41	Passed	
FCX 50% Chlordane Wettable Powder				
Chlordane	50.00	51.93	Passed	
do	50.00	47.12	Deficient	
FCX Chlordane 8 Emulsifiable Concentrate				
Chlordane	72.00	72.69	Passed	
W. R. Grace and Co.				
Maxwell Insecticides Chlordane 8 Emulsifiable Concentrate				
Chlordane	71.36	69.82	Passed	
do	71.36	68.88	Passed	
do	71.36	67.94	Deficient	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hilo Products, Inc.			
Hilo Kennel Spray			
Chlordane	2.00	2.52	Passed
Pest-Guard Products, Inc.			
Pest-Guard Bug Proof Shelf Paper			
Chlordane	0.27	0.61	Excessive Active Ingriedent
Polk Miller Products Corp.			
Sergeant's Skip-Bath			
Chlordane	0.25	0.22	Passed
B. G. Pratt Co.			
Pratt 10% Chlordane Dust			
Chlordane	10.00	9.97	Passed
Rigo Manufacturing Co.			
Kill-Ko 10% Chlordane Dust			
Chlordane	10.00	9.93	Passed
do	10.00	11.29	Passed
Kill-Ko 74% Chlordane			
Chlordane	74.00	74.88	Passed
Sears, Roebuck and Co.			
Sears 10% Chlordane Many Purpose Dust			
Chlordane	10.00	9.07	Deficient
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 10% Chlordane Dust			
Chlordane	10.00	10.29	Passed
SA-50 Brand 10% Chlordane Granules			
Chlordane	10.00	10.78	Passed
SA-50 Brand 72% Chlordane Emulsion			
Chlordane	72.00	73.82	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co. Agricultural Chemical Div.			
Vigoro 10% Chlordane Dust			
Chlordane	10.00	10.17	Passed
Woolfolk Chemical Works, Ltd.			
Security 5% Chlordane Dust			
Chlordane	5.00	4.96	Passed
CHLORDANE—DIAZINON— PYRETHRINS			
Gulf Oil Corp.			
Gulf Liquid Bug Killer			
Chlordane	1.00	1.09	Passed
Diazinon	0.33	0.42	
Pyrethrins	0.08	0.07	
CHLORDANE—LETHANE 60—LETHANE 384			
Swift and Co. Agricultural Chemical Div.			
End-O-Pest Ant and Lawn Insect Killer			
Chlordane	8.00	8.11	Not Registered
Lethane 60	0.75		
Lethane 384	0.25		
Theoretical nitrogen	0.03	0.07	
Chlordane	8.00	7.08	Deficient
Lethane 60	0.75		
Lethane 384	0.25		
Theoretical nitrogen	0.03	0.04	
CHLORDANE—MALATHION— PIPERONYL BUTOXIDE— PYRETHRINS			
United Co-Operatives, Inc.			
Unico Ant and Roach Killer			
Chlordane	2.00	1.99	Passed
Malathion	1.00	0.89	
Piperonyl butoxide	0.20	0.21	
Pyrethrins	0.02	0.03	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CHLORDANE—PIPERONYL BUTOXIDE—PYRETHRINS			
Arlan's Department Stores, Inc.			
Arlan's Ant and Roach Killer			
Chlordane	2.00	1.93	Not Registered
Piperonyl butoxide	0.092	0.08	
Pyrethrins	0.046	0.043	
Boyle-Midway, Inc.			
Black Flag Insecticide Powder			
Chlordane	1.50	1.90	Passed
Piperonyl butoxide	0.35	0.21	
Pyrethrins	0.06	0.06	
CIODRIN			
Shell Chemical Co.			
Agricultural Chemicals Div.			
3% Ciodrin			
Ciodrin	3.00	2.86	Passed
do	3.00	3.16	Passed
do	3.00	3.18	Passed
United Co-Operatives, Inc.			
Unico 1% Ciodrin Insecticide Back Rubber Solution			
Ciodrin	1.00	1.08	Passed
Unico Stock Spray Concentrate			
Ciodrin	12.60	12.35	Passed
COPPER			
Acme Insecticide Div.			
Acme Quality Paints, Inc.			
Acme Bordeaux Mixture			
Copper as metallic	12.75	13.21	Passed
Allied Chemical Corp.			
Agricultural Div.			
Arcadian Tribasic Bordeaux Powder			
Copper as metallic	12.75	9.23	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Black Leaf Products Co.			
Bordeaux Powder			
Copper as metallic	12.75	13.60	Not Registered
Echo, Inc.			
Cop-Ten Water Soluble Copper Fungicide			
Copper ammino carbonate	30.00		Deficient
Copper as metallic	10.00	7.54	Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Tomato Dust			
Copper as metallic	7.00	7.52	Passed
COPPER—BORON—SULFUR			
Coastal Chemical Corp.			
4% Metallic Copper 65% Sulphur 3.34% Boron			
Copper as metallic	4.00	3.72	Deficient
Boron	3.34	3.78	
Sulfur	65.00	61.45	
E-Z-Flo Chemical Co.			
Special Peanut Dust			
Copper as metallic	4.00	3.75	Passed
Boron	3.34	3.52	
Sulfur	75.00	73.85	
Meherrin Agricultural and Chemical Co.			
Red Kay Copper-Sulphur-Boron Peanut Dust			
Copper as metallic	4.00	3.90	Passed
Boron	3.34	3.70	
Sulfur	65.00	63.50	
Planters Chemical Co.			
Division of Thompson-Hayward Chemical Co.			
Planters Copper-Sulfur Dust with Borox for Peanuts			
Copper as metallic	4.00	3.97	Passed
Boron	3.34	3.68	
Sulfur	65.00	63.35	
Copper as metallic	4.00	3.79	Passed
Boron	3.34	3.58	
Sulfur	65.00	64.75	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**F. S. Royster Guano Co.
Royster Chemical Div.**

Royster Chem-Pest Boron-Copper-Sulfur
3.34-4-70 Dust

Copper as metallic	4.00	3.95	Passed
Boron	3.34	3.27	
Sulfur	70.00	70.60	

**Smith-Douglass Co.
Division of The Borden Chemical Co.**

Smith-Douglass Special Copper-Sulfur-Boron
Dust for Peanuts

Copper as metallic	4.00	3.52	Deficient
Boron	3.34	2.55	
Sulfur	65.00	67.00	
Copper as metallic	4.00	3.70	Passed
Boron	3.34	3.90	
Sulfur	65.00	63.90	

Standard Spray and Chemical Co.

Standard Brand 3.34% Boron-4% Copper-65% Sulphur

Copper as metallic	4.00	4.02	Passed
Boron	3.34	3.71	
Sulfur	65.00	64.50	

COPPER NAPHTHENATE

The Alcatraz Company, Inc.

Alcatraz No. 100 Copper Naphthenate
Wood Preservative

Copper naphthenate	12.50		
Copper as metallic	1.00	0.87	Not Registered

**Clarke and Proctor Turpentine
Company, Inc.**

Oh Boy Copper Naphthenate
Preservative

Copper naphthenate	20.00		
Copper as metallic	2.00	1.99	Passed
Copper naphthenate	20.00		
Copper as metallic	2.00	1.92	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dixie Paint and Varnish Company, Inc.			
Vari-Color Pen-Co-Nap Wood Preservative			
Copper naphthenate	25.00		
Copper as metallic	2.00	1.84	Not Registered
Douglas Chemical Company, Inc.			
Douglas Copper Naphthenate Wood Preservative			
Copper naphthenate	13.00		Passed
Copper as metallic	1.00	0.92	
Copper naphthenate	13.00		Passed
Copper as metallic	1.00	0.92	
Copper naphthenate	13.00		Passed
Copper as metallic	1.00	0.80	
King Chemical Co.			
Coppo Copper Naphthenate			
Copper naphthenate	10.00		Passed
Copper as metallic	1.00	1.03	
Sampson Paint Manufacturing Company, Inc.			
Sampson Wood Preservative Copper Naphthenate			
Copper naphthenate	25.00		Not Registered
Copper as metallic	2.00	1.86	
Shepard Chemical Works, Inc.			
Shepard's Copper Naphthenate Wood Preservative			
Copper naphthenate	20.00		Deficient
Copper as metallic	2.00	0.31	
COPPER SALTS OF ROSIN AND FATTY ACIDS			
Chem-Salts, Inc.			
Copoloid-6 Liquid Copper Fungicide			
Copper salts of rosin and fatty acids	72.00		
Copper as metallic	6.00	5.65	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Park Chemical Company, Inc.			
6%-LCF (Liquid Copper Fungicide)			
Copper salts of rosin and fatty acids	72.00		
Copper as metallic	6.00	5.98	Passed
COPPER SULFATE			
Purepac Corp.			
Blue Stone Copper Sulfate (Pentahydrate)			
Copper sulfate	98.50	95.91	Not Registered
COPPER—SULFUR			
Armour Agricultural Chemical Co.			
Armagard Peanut Dust Copper-Sulfur 4-85			
Copper as metallic	4.00	4.10	Not Registered
Sulfur	85.00	84.95	
Blue Chemical Company, Inc.			
Thor Brand Sulphur-Copper P/Nut Dust			
Copper as metallic	4.00	3.74	Not Registered
Sulfur	80.00	78.90	
Chevron Chemical Co.			
Ortho Div.			
Ortho Custom Mix Sulfur Copper Dust			
Copper as metallic	4.00	3.46	Deficient
Sulfur	80.00	80.35	
Copper as metallic	4.00	4.97	Deficient
Sulfur	80.00	76.75	
Ortho 3.4-70 Peanut Dust			
Copper as metallic	3.40	3.60	Passed
Sulfur	70.00	68.55	
Daly-Herring Co.			
Dee Aitch 4% Metallic Copper 85.5% Sulphur Peanut Dust			
Copper as metallic	4.00	3.59	Deficient
Sulfur	85.50	82.60	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
D-H 4% Metallic Copper 85.5% Sulphur Peanut Dust			
Copper as metallic	4.00	4.26	Passed
Sulfur	85.50	85.20	
E-Z-Flo Chemical Co.			
Copper Sulphur Dust			
Copper as metallic	4.00	3.97	Passed
Sulfur	90.00	89.10	
Copper as metallic	4.00	3.77	Passed
Sulfur	90.00	89.50	
W. R. Grace and Co.			
Maxwell Insecticides Copper-Sulphur Peanut Dust 4-80			
Copper as metallic	4.00	4.07	Passed
Sulfur	80.00	83.17	
Howerton Gowen Chemicals, Inc.			
Gowen's Original Air Floated Copper Sulphur Dust			
Copper as metallic	4.00	3.52	Deficient
Sulfur	90.00	90.00	
Kerr-McGee Chemical Corp.			
Lighting Brand 4% Copper 85% Sulfur Dust			
Copper as metallic	4.00	3.78	Passed
Sulfur	85.00	83.70	
Meherrin Agricultural and Chemical Co.			
Red Kay 4% Copper-Sulphur Peanut Dust			
Copper as metallic	4.00	3.80	Deficient
Sulfur	86.00	82.60	
Niagara Chemical Div. FMC Corp.			
Peanut 4-80			
Copper as metallic	4.00	3.80	Passed
Sulfur	80.00	79.95	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planter's Copper-Sulfur Dust for Peanuts			
Copper as metallic	4.00	3.92	Passed
Sulfur	75.00	75.40	
F. S. Royster Guano Co. Royster Chemical Div.			
"485" Contains 4% Copper and 85% Sulphur			
Copper as metallic	4.00	3.91	Passed
Sulfur	85.00	85.00	
Smith-Douglass Div. The Borden Chemical Co.			
Copper-Sulphur Dust for Peanuts 4-85			
Copper as metallic	4.00	4.78	Passed
Sulfur	85.00	82.95	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 4% Copper 85% Sulfur Dust			
Copper as metallic	4.00	4.18	Passed
Sulfur	85.00	84.85	
2,4-D			
The Borden Chemical Co. Smith-Douglass Div.			
Smith-Douglass Trample Weed Killer			
Dimethylamine salt of 2,4-D	49.80	49.78	Passed
The Dow Chemical Co.			
Dow DMA-4			
Dimethylamine salt of 2,4-D	49.60	49.32	Passed
Dow Esteron 999 Concentrate			
Propylene glycol butyl ether esters of 2,4-D	72.80	73.56	Passed
Thompson-Hayward Chemical Co.			
De-Pester Ded-Weed 40 Amine Salt			
Dimethylamine salt of 2,4-D	49.40	49.23	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2,4-D—DICAMBA			
O. M. Scott and Sons			
Scotts Spot Weeder			
Alkanol amine salts of 2,4-D	1.66		Passed
Dicamba	0.31		
Theoretical chlorine	0.41	0.50	
Alkanol amine salts of 2,4-D	1.66		Passed
Dicamba	0.31		
Theoretical chlorine	0.41	0.50	
2,4-D—DICAMBA—2,4,5-T			
Cook Chemical Co.			
Real-Kill Spot Weed Killer			
Dimethylamine salt of 2,4-D	0.360		Passed
Dimethylamine salt of dicamba ..	0.078		
Triethylamine salt of 2,4,5-T	0.210		
Theoretical chlorine	0.18	0.18	
Real-Kill Spot Weed Killer Concentrate			
Dimethylamine salt of 2,4-D	3.78		Passed
Dimethylamine salt of dicamba ..	0.82		
Dimethylamine salt of related acids	0.13		
Triethylamine salt of 2,4,5-T	2.21		
Theoretical chlorine	1.90	1.82	
2,4-D—MECPROP			
The Borden Chemical Co.			
Smith-Douglass Div.			
Nutro Weed Bomb			
Diethanolamine salt of 2,4-D	0.75		Passed
Diethanolamine salt of mecoprop ..	0.75		
Theoretical chlorine	0.24	0.21	
Diethanolamine salt of 2,4-D	0.75		Passed
Diethanolamine salt of mecoprop ..	0.75		
Theoretical chlorine	0.24	0.22	
2,4-D—SILVEX			
Acme Insecticide Div.			
Acme Quality Paints, Inc.			
Acme Weed-No-More Lawn Weed Killer			
Isooctyl ester of 2,4-D	14.00		Passed
Isooctyl ester of silvex	4.30		
Theoretical chlorine	4.13	4.29	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2,4-D—2,4,5-T			
Black Leaf Products Co.			
Black Leaf Lawn Weed Killer			
2-Ethyl hexyl ester of 2,4-D	12.00		Not Registered
2-Ethyl hexyl ester of 2,4,5-T	5.70		
Theoretical chlorine	4.23	4.72	
International Minerals and Chemical Corp.			
Rainbow 2,4-D and 2,4,5-T			
Isooctyl ester of 2,4-D	34.00		Not Registered
Isooctyl ester of 2,4,5-T	32.50		
Theoretical chlorine	16.64	16.68	
DACTHAL			
Acme Insecticide Div. Acme Quality Paints, Inc.			
Acme Garden Weed Preventer			
Dacthal	2.50	2.67	Passed
Dragon Chemical Corp.			
Dragon No-Ho			
Dacthal	5.00	5.19	Passed
Pearson and Co.			
Pearson's Kleen-Gro			
Dacthal	2.50	2.75	Passed
DDD			
Blue Chemical Company, Inc.			
Thor Brand 2 lb. TDE Emulsifiable Insecticide Concentrate			
DDD	23.50	24.36	Passed
The Borden Chemical Co. Smith-Douglass Div.			
TDE 2# E.C.			
DDD	23.80	25.15	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Cape Fear Chemicals, Inc.			
Tiger Brand 2-lb. TDE Emulsion Concentrate			
DDD	23.80	23.98	Passed
Carolina Chemical Corp.			
TDE 10% Dust			
DDD	10.00	8.36	Deficient
do	10.00	7.86	Deficient
TDE 2 lb. Emulsion Concentrate			
DDD	23.80	24.42	Passed
Chevron Chemical Co.			
Ortho Div.			
Ortho Tobacco Spray-D			
DDD	24.50	27.00	Passed
Coastal Chemical Corp.			
10% TDE Dust			
DDD	10.00	10.22	Passed
Daly-Herring Co.			
Bacco Spray EC			
DDD	25.00	28.65	Passed
E-Z-Flo Chemical Co.			
TDE 2-E			
DDD	24.60	24.35	Passed
do	24.60	24.52	Passed
do	24.60	25.49	Passed
do	24.60	24.39	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% TDE Dust			
DDD	10.00	10.64	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FCX, Inc.			
FCX TDE Emulsifiable Concentrate			
DDD	23.40	24.56	Passed
do	23.40	23.91	Passed
do	23.40	23.33	Passed
do	23.40	24.22	Passed
do	23.40	24.18	Passed
do	23.40	24.58	Passed
do	23.40	24.71	Passed
do	23.40	24.05	Passed
W. R. Grace and Co.			
Maxwell Insecticides 25% TDE Dust			
DDD	10.00	9.43	Deficient
Maxwell Insecticides 25% Rothane Emulsion Concentrate			
DDD	25.00	24.39	Passed
do	25.00	23.95	Passed
do	25.00	24.05	Passed
Niagara Chemical Div. FMC Corp.			
DDD 25 Miscible			
DDD	25.00	24.24	Passed
Olin Mathieson Chemical Corp.			
TDE 10% Dust			
DDD	10.00	9.86	Passed
do	10.00	10.43	Passed
do	10.00	9.79	Passed
do	10.00	9.79	Passed
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters TDE 2 lb. Emulsion Concentrate			
DDD	23.80	23.80	Passed
F. S. Royster Guano Co. Royster Chemical Div.			
"20T" Contains 2 Pounds TDE Per Gallon E.C.			
DDD	23.70	24.51	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Div. The Borden Chemical Co.			
TDE 2# E.C.			
DDD	23.80	26.00	Passed
Swift and Co. Agricultural Chemical Div.			
H2E TDE			
DDD	23.80	21.15	Deficient
DDD—CHLORDANE			
House of Huston, Inc.			
Little Pal Sunday Shower			
DDD	0.75		Passed
Chlordane	0.45		
Theoretical chlorine	0.64	0.60	
DDD	0.75		Passed
Chlordane	0.45		
Theoretical chlorine	0.64	0.59	
DDD—DIELDRIN			
Chevron Chemical Co. Ortho Div.			
Ortho Tobacco Spray-D			
DDD	24.50		Passed
Dieldrin	2.30		
Theoretical chlorine	12.14	11.71	
United Co-Operatives, Inc.			
Unico T-D Tobacco Spray			
DDD	23.20		Passed
Dieldrin	2.20		
Theoretical chlorine	11.50	11.56	
DDD	23.20		Passed
Dieldrin	2.20		
Theoretical chlorine	11.50	12.02	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDD—PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 10%TDE-2% Parathion Dust			
DDD	10.00	9.76	Not Registered
Parathion	2.00	1.88	
Thor Brand 2 lb. TDE-.5 lb. EP			
DDD	23.50	24.27	Passed
Parathion	5.50	5.71	
DDD	23.50	23.68	Passed
Parathion	5.50	5.52	
Carolina Chemical Corp.			
Champion Tobacco Dust			
DDD	10.00	9.36	Deficient
Parathion	1.00	0.29	Not Registered
Tobacco King			
DDD	23.39	24.97	Passed
Parathion	5.86	5.75	
DDD	23.39	23.22	Deficient
Parathion	5.86	2.01	
DDD	23.39	24.08	Deficient
Parathion	5.86	5.14	
DDD	23.39	22.77	Deficient
Parathion	5.86	5.22	
Carolina Chemicals, Inc.			
Flight Brand Rhothane-Parathion 2-0.5 Emulsion Concentrate			
DDD	24.00	23.90	Passed
Parathion	6.00	6.10	
Columbia Nitrogen Corp.			
Columbia Brand 10% TDE-2% Parathion Dust			
DDD	10.00	10.05	Not Registered
Parathion	2.00	1.86	
Columbia Brand 2 lb. TDE-.5 lb. EP			
DDD	23.50	23.12	Passed
Parathion	5.50	6.04	
DDD	23.50	24.66	Passed
Parathion	5.50	6.33	
DDD	23.50	24.98	Passed
Parathion	5.50	6.46	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
E-Z-Flo Chemical Co.			
Tobacco Dust No. 1			
DDD	10.00	9.86	
Parathion	1.00	0.98	Passed
Tobacco Spray No. 1			
DDD	24.00	23.53	Passed
Parathion	6.00	6.08	
DDD	24.00	23.76	Passed
Parathion	6.00	6.06	
DDD	24.00	24.16	Passed
Parathion	6.00	5.98	
DDD	24.00	23.92	Passed
Parathion	6.00	6.08	
DDD	24.00	24.60	Passed
Parathion	6.00	5.85	
DDD	24.00	23.92	Passed
Parathion	6.00	5.91	
DDD	24.00	21.87	Deficient
Parathion	6.00	5.73	
FCX, Inc.			
FCX 10% TDE-1% Parathion Dust			
DDD	10.00	10.22	
Parathion	1.00	1.04	Passed
FCX Tobacco Bug Blaster			
DDD	23.20	23.28	Passed
Parathion	5.70	6.56	
DDD	23.20	23.31	Passed
Parathion	5.70	6.42	
DDD	23.20	24.42	Passed
Parathion	5.70	6.25	
DDD	23.20	23.29	Passed
Parathion	5.70	6.52	
DDD	23.20	23.38	Passed
Parathion	5.70	6.04	
DDD	23.20	23.81	
Parathion	5.70	8.80	Excessive Active Ingredient
W. R. Grace and Co.			
Maxwell Insecticides Tobacco Spray Plus			
DDD	24.00	24.09	
Parathion	6.00	5.76	Passed

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
DDD	24.00	24.11		
Parathion	6.00	5.71		Passed
DDD	24.00	24.26		
Parathion	6.00	5.93		Passed
DDD	24.00	23.45		
Parathion	6.00	5.65		Passed
DDD	24.00	23.11		
Parathion	6.00	5.98		Passed
DDD	24.00	23.97		
Parathion	6.00	5.77		Passed
DDD	24.00	24.07		
Parathion	6.00	6.44		Passed
DDD	24.00	23.78		
Parathion	6.00	6.19		Passed
DDD	24.00	22.91		
Parathion	6.00	5.62		Deficient

Olin Mathieson Chemical Corp.

Tobacco Dust 10-1 (TDE-Para)

DDD	10.00	10.80	Passed
Parathion	1.00	1.17	
DDD	10.00	10.36	Passed
Parathion	1.00	0.90	

Tobacco Dust 10-2 (TDE-Para)

DDD	10.00	9.72	Passed
Parathion	2.00	1.80	
DDD	10.00	10.07	Passed
Parathion	2.00	1.82	

DDT**Acme Insecticide Div.
Acme Quality Paints, Inc.**

Acme 5% DDT Dust

DDT	5.00	4.82	Passed
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Acme Dura Dust No. 50

DDT	50.00	49.27	Passed
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Blue Chemical Company, Inc.

Thor Brand 2 lb. DDT Emulsion Concentrate

DDT	23.00	23.08	Not Registered
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Thor Brand 50% DDT Wettable Powder			
DDT	50.00	40.35	Deficient Not Registered
Cape Fear Chemicals, Inc.			
Tiger Brand 5% DDT Dust			
DDT	5.00	5.11	Passed
Tiger Brand 10% DDT Dust			
DDT	10.00	9.86	Passed
Carolina Chemical Corp.			
5% DDT Dust			
DDT	5.00	5.64	Passed
DDT 2 lb. Emulsion Concentrate			
DDT	23.80	23.86	Passed
do	23.80	25.12	Passed
do	23.80	23.69	Passed
do	23.80	24.26	Passed
do	23.80	23.89	Passed
do	23.80	24.84	Passed
do	23.80	24.00	Misbranded
do	23.80	23.22	Misbranded
Coastal Chemical Corp.			
DDT Emulsion			
DDT	25.00	24.07	Passed
Columbia Nitrogen Corp.			
Columbia Brand 2 lb. DDT			
DDT	23.00	24.00	Passed
do	23.00	23.64	Passed
Daly-Herring Co.			
D-H 5% DDT Dust			
DDT	5.00	4.89	Passed
do	5.00	4.66	Passed
D-H 10% DDT Dust			
DDT	10.00	9.79	Passed
do	10.00	10.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dee Aitch 25% DDT E.C.			
DDT	25.00	24.50	Passed
do	25.00	25.02	Passed
do	25.00	24.83	Passed
E-Z-Flo Chemical Co.			
DDT 2E			
DDT	24.00	24.67	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% DDT Dust			
DDT	10.00	9.72	Passed
FCX, Inc.			
FCX 5% DDT Dust			
DDT	5.00	4.29	Deficient
FCX DDT E.C.			
DDT	24.00	23.85	Passed
do	24.00	23.83	Passed
do	24.00	24.09	Passed
do	24.00	23.73	Passed
do	24.00	23.88	Passed
do	24.00	24.09	Passed
FCX 50% WP			
DDT	50.00	49.27	Passed
do	50.00	50.34	Passed
W. R. Grace and Co.			
Maxwell Insecticides 5% DDT Dust			
DDT	5.00	5.21	Passed
do	5.00	4.89	Passed
Maxwell Insecticides 10% DDT Dust			
DDT	10.00	11.86	Passed
Maxwell Insecticides 25% DDT Emulsion Concentrate			
DDT	25.00	24.75	Passed
do	25.00	24.50	Passed
do	25.00	24.84	Passed
do	25.00	24.39	Passed
Graham Chemical Company, Inc.			
Red Star Bug Death DDT 25%			
DDT	24.44	24.14	Passed
do	24.44	24.18	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo 10% DDT Dust			
DDT	10.00	10.00	Passed
Olin Mathieson Chemical Corp.			
DDT 10% Dust			
DDT	10.00	10.14	Passed
do	10.00	9.86	Passed
W. R. Peele Company, Inc.			
10% DDT Dust			
DDT	10.00	8.00	Deficient
2# DDT			
DDT	23.76	22.68	Passed
do	23.76	23.02	Passed
DDT-3 E.C.			
DDT	36.00	32.71	Deficient
Rigo Manufacturing Co.			
Kill-Ko Special 25% DDT Concentrate			
DDT	25.00	24.20	Passed
Kill-Ko 50% DDT Wettable Powder			
DDT	50.00	51.41	Passed
F. S. Royster Guano Co. Royster Chemical Div.			
"100"-10% DDT Dust			
DDT	10.00	7.43	Deficient
Smith-Douglass Div. The Borden Chemical Co.			
2# DDT E.C.			
DDT	23.80	24.58	Passed
do	23.80	24.70	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 10% DDT Dust			
DDT	10.00	9.86	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand 50% DDT-Wettable Concentrate			
DDT	50.00	50.00	Passed
Stauffer Chemical Co.			
Stauffer DDT 2-E			
DDT	24.30	24.51	Passed
United Co-Operatives, Inc.			
Unico DDT Spray Powder			
DDT	50.00	48.92	Not Registered
DDT—ALLETHRIN— METHOXYCHLOR—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—THANITE			
Arlan's Department Stores, Inc.			
Arlan's Flying Insect Killer			
DDT	3.000		Not Registered
Allethrin	0.100	Present	
Methoxychlor	1.000		
N-octyl bicycloheptene dicarboximide	0.166		
Thanite	1.000		
Theoretical chlorine	1.81	2.44	
Theoretical nitrogen	0.05	0.05	
DDT—CAPTAN— KARATHANE—MALATHION			
Sears, Roebuck and Co.			
Sears Rose Spray			
DDT	10.00		Passed
Captan	5.00		
Karathane	1.00		
Malathion	5.00	5.21	
Theoretical chlorine	6.77	6.58	
Theoretical nitrogen	0.31	0.27	
Swift and Co. Plant Food Div.			
End-O-Pest Rose Dust			
DDT	5.00		Deficient
Captan	7.50		
Karathane	1.00		
Malathion	4.50	3.27	
Theoretical chlorine	5.16	4.87	
Theoretical nitrogen	0.43	0.44	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—CAPTAN—PYRETHRINS—ROtenone—SULFUR			
The Parrott Chemical Co.			
Lucky Strike Black Magic for Roses			
DDT	5.00		Not Registered
Captan	5.00		
Pyrethrins	0.05	0.04	
Rotenone	0.75	Present	
Sulfur	25.00	26.83	
Theoretical chlorine	4.27	4.27	
DDT—COPPER			
Daly-Herring Co.			
Dee Aitch Metallic Copper 7%-DDT 10% Tomato-Potato Dust			
DDT	10.00	9.50	Passed
Copper as metallic	7.00	6.63	
The Hubbard-Hall Chemical Co.			
Copoloid 3-12			
DDT	12.00	11.02	Deficient
Copper salts of rosin and fatty acids	36.00		
Copper as metallic	3.00	2.97	
Olin Mathieson Chemical Corp.			
5-7 Potato-Tomato Dust			
DDT	5.00	5.00	Passed
Copper as metallic	7.00	6.84	
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters Dee-Kop Dust No. 5			
DDT	5.00	5.08	Passed
Copper as metallic	7.00	6.70	
Standard Spray and Chemical Co.			
Copoloid 3-12			
DDT	12.00	12.27	Passed
Copper as metallic	3.00	2.96	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—COPPER—SULFUR			
Blue Chemical Company, Inc.			
Thor Brand 5-4-75 DDT-Copper-Sulphur			
DDT	5.00	4.69	Not Registered
Copper as metallic	4.00	4.20	
Sulfur	75.00	74.30	
DDT	5.00	4.86	Deficient
Copper as metallic	4.00	4.11	Not Registered
Sulfur	75.00	68.60	
Chevron Chemical Co. Ortho Div.			
Ortho 5-4-80 Peanut Dust			
DDT	5.00	4.79	Passed
Copper as metallic	4.00	3.80	
Sulfur	80.00	82.70	
DDT	5.00	5.33	Passed
Copper as metallic	4.00	3.81	
Sulfur	80.00	82.60	
Daly-Herring Co.			
D-H 4-5-74 Dust			
DDT	5.00	5.36	Passed
Copper as metallic	4.00	4.13	
Sulfur	74.00	76.60	
FCX, Inc.			
FCX Copper Sulphur Peanut Dust with 5% DDT			
DDT	5.00	4.60	Deficient
Copper as metallic	4.00	3.72	
Sulfur	76.50	77.35	
Kerr-McGee Chemical Corp.			
Lightning Brand 5% DDT 4% Copper 75% Sulfur Dust			
DDT	5.00	4.70	Passed
Copper as metallic	4.00	3.88	
Sulfur	75.00	76.80	
Smith-Douglass Div. The Borden Chemical Co.			
Copper-Sulfur-DDT Dust for Peanuts			
DDT	5.00	4.72	Passed
Copper as metallic	4.00	3.86	
Sulfur	75.00	72.60	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Standard Spray and Chemical Co.			
Standard Brand 5% DDT 4% Copper 75% Sulfur Dust			
DDT	5.00	4.89	Passed
Copper as metallic	4.00	3.82	
Sulfur	75.00	76.60	
DDT	5.00	5.04	Passed
Copper as metallic	4.00	3.99	
Sulfur	75.00	74.00	
DDT—DDD			
Cape Fear Chemicals, Inc.			
Tiger Brand 5-5 Tobacco Dust			
DDT	5.00		Not Registered
DDD	5.00		
Theoretical chlorine	4.72	4.46	
Tiger Brand Super Tobacco Spray DDT-TDE			
DDT	12.08		Passed
DDD	23.93		
Theoretical chlorine	16.64	15.91	
Carolina Chemical Corp.			
Budworm and Hornworm Special			
DDT	12.50		Passed
DDD	24.50		
Theoretical chlorine	17.11	17.35	
Daly-Herring Co.			
Bacco Beetle Dust			
DDT	5.00		Passed
DDD	5.00		
Theoretical chlorine	4.72	4.97	
W. R. Grace and Co.			
Maxwell Insecticides TDE-DDT Emulsion Concentrate			
DDT	17.50		Passed
DDD	17.50		
Theoretical chlorine	16.50	16.28	
DDT	17.50		Passed
DDD	17.50		
Theoretical chlorine	16.50	15.93	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Graham Chemical Company, Inc.			
Red Star Kwik Kill Tobacco Spray			
DDT	12.22		Passed
DDD	12.22		
Theoretical chlorine	11.52	11.43	
DDT	12.22		Passed
DDD	12.22		
Theoretical chlorine	11.52	11.32	
DDT	12.22		Passed
DDD	12.22		
Theoretical chlorine	11.52	11.24	
DDT—DDD—PARATHION			
Blue Chemical Company, Inc.			
Thor Brand DDT-Parathion-TDE Three Way Tobacco Spray			
DDT	17.00		Not Registered
DDD	17.00		
Parathion	5.40	5.79	
Theoretical chlorine	16.03	16.79	
The Borden Chemical Co. Smith-Douglass Div.			
Voo-Doo			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.55	
Theoretical chlorine	16.16	16.21	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.52	
Theoretical chlorine	16.16	16.35	
Cape Fear Chemicals, Inc.			
Tiger Brand 3 Way 1-5-5 Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.94	
Theoretical chlorine	4.72	4.46	
Tiger Brand 3 Way Death Blow Tobacco Spray			
DDT	11.79		Passed
DDD	23.35		
Parathion	6.11	6.26	
Theoretical chlorine	16.25	16.73	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
Champion 5-5-1 Hornworm Dust			
DDT	5.00		
DDD	5.00		
Parathion	1.00	0.71	
Theoretical chlorine	4.72	4.46	
DDT	5.00		Deficient
DDD	5.00		
Parathion	1.00	0.65	
Theoretical chlorine	4.72	4.46	
Super Tobacco King			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.81	
Theoretical chlorine	16.16	15.76	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.77	
Theoretical chlorine	16.16	15.89	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.54	
Theoretical chlorine	16.16	15.89	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	4.72	
Theoretical chlorine	16.16	15.93	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	4.45	
Theoretical chlorine	16.16	13.68	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	5.76	
Theoretical chlorine	16.16	15.24	
Carolina Chemicals, Inc.			
Flight Brand 1% Parathion-5% DDT-5% Rothane Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.63	
Carter Insecticide and Chemical Company, Inc.			
Carter Carolina Brand 3-Way Tobacco Spray			
DDT	12.50		Deficient
DDD	24.50		
Parathion	6.00	5.97	
Theoretical chlorine	17.11	15.82	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal Super Knox Out Tobacco Spray			
DDT	17.20		
DDD	17.20		Passed
Parathion	5.80	6.08	
Theoretical chlorine	16.22	15.97	
DDT	17.20		
DDD	17.20		Passed
Parathion	5.80	5.93	
Theoretical chlorine	16.22	15.60	
DDT	17.20		
DDD	17.20		Passed
Parathion	5.80	5.41	
Theoretical chlorine	16.22	15.86	
Daly-Herring Co.			
Bacco 5-5-1 Dust			
DDT	5.00		
DDD	5.00		Passed
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.44	
DDT	5.00		
DDD	5.00		Passed
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.50	
Big Bad John Tobacco Spray			
DDT	17.04		
DDD	17.04		Not Registered
Parathion	11.53	11.18	
Theoretical chlorine	16.07	15.61	
DDT	17.04		
DDD	17.04		Not Registered
Parathion	11.53	11.04	
Theoretical chlorine	16.07	15.59	
Bacco Insect Spray			
DDT	17.63		
DDD	17.63		Passed
Parathion	7.05	7.11	
Theoretical chlorine	16.63	16.54	
DDT	17.63		
DDD	17.63		Passed
Parathion	7.05	7.61	
Theoretical chlorine	16.63	16.37	
DDT	17.63		
DDD	17.63		Excessive
Parathion	7.05	8.38	Active Ingredient
Theoretical chlorine	16.63	16.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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E-Z-Flo Chemical Co.

Three Way Spray

DDT	12.50		Passed
DDD	24.50		
Parathion	6.00	5.73	
Theoretical chlorine	17.11	16.99	
DDT	12.50		Passed
DDD	24.50		
Parathion	6.00	5.87	
Theoretical chlorine	17.11	17.15	

FCX, Inc.

FCX Tobacco Bug Blaster "Plus"

DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	5.76	
Theoretical chlorine	16.31	15.63	
DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	5.98	
Theoretical chlorine	16.31	15.92	
DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	5.60	
Theoretical chlorine	16.31	15.64	
DDT	11.80		Passed
DDD	23.50		
Parathion	5.90	6.02	
Theoretical chlorine	16.31	15.66	

W. R. Grace and Co.

Maxwell Insecticides 5-5-1 Tobacco Dust

DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.88	
Theoretical chlorine	4.72	4.43	

Maxwell Insecticides Tobacco Spray #3

DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.73	
Theoretical chlorine	16.50	16.40	
DDT	17.50		Passed
DDD	17.50		
Parathion	6.00	5.65	
Theoretical chlorine	16.50	16.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT	17.50		Deficient
DDD	17.50		
Parathion	6.00	5.58	
Theoretical chlorine	16.50	16.29	
DDT	17.50		Deficient
DDD	17.50		
Parathion	6.00	5.18	
Theoretical chlorine	16.50	15.55	
DDT	17.50		Deficient
DDD	17.50		
Parathion	6.00	5.58	
Theoretical chlorine	16.50	15.99	

GurMiCo Chemicals, Inc.

GurMiCo Tobacco Rid

DDT	18.70		Passed
DDD	18.70		
Parathion	3.70	4.15	
Theoretical chlorine	17.64	16.82	
DDT	18.70		Passed
DDD	18.70		
Parathion	3.70	4.49	
Theoretical chlorine	17.64	17.04	

Howerton Gowen Chemicals, Inc.

Gowen's Golden Leaf 3 Way Spray

DDT	11.60		Passed
DDD	23.10		
Parathion	5.80	5.68	
Theoretical chlorine	16.04	15.31	

Kaiser Agricultural Chemicals

3 Way Spray

DDT	12.50		Passed
DDD	24.50		
Parathion	6.00	7.36	
Theoretical chlorine	17.11	16.74	
DDT	12.50		Passed
DDD	24.50		
Parathion	6.00	6.46	
Theoretical chlorine	17.11	17.33	
DDT	12.50		Deficient
DDD	24.50		
Parathion	6.00	5.16	
Theoretical chlorine	17.11	14.80	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. FMC Corp.			
DDD 5 DDT 5 Parathion 1 Dust			
DDT	5.00		
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.92	4.02	
DDD 1.5 DDT 1.5 Parathion 0.5 E.C.			
DDT	17.30		Passed
DDD	17.30		
Parathion	5.80	5.81	
Theoretical chlorine	16.16	16.05	
DDT	17.30		Deficient
DDD	17.30		
Parathion	5.80	5.35	
Theoretical chlorine	16.32	16.70	
W. R. Peele Company, Inc.			
5% TDE 5% DDT 1% Parathion Tobacco Dust			
DDT	5.00		Passed
DDD	5.00		
Parathion	1.00	0.92	
Theoretical chlorine	4.72	4.74	
Super X Tobacco Spray			
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.48	
Theoretical chlorine	16.16	15.69	
DDT	17.13		Passed
DDD	17.13		
Parathion	5.80	5.45	
Theoretical chlorine	16.16	15.61	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	5.29	
Theoretical chlorine	16.16	15.50	
DDT	17.13		Deficient
DDD	17.13		
Parathion	5.80	5.10	
Theoretical chlorine	16.16	15.70	
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters 3 Way Spray			
DDT	11.80		Passed
DDD	23.60		
Parathion	5.90	5.58	
Theoretical chlorine	16.36	15.96	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT	11.80		
DDD	23.60		
Parathion	5.90	5.73	
Theoretical chlorine	16.36	15.79	
Smith-Douglass Div.			
The Borden Chemical Co.			
Voo Doo (1.5 DDT-1.5 TDE-.5 Parathion)			
DDT	17.13		
DDD	17.13		
Parathion	5.80	5.72	
Theoretical chlorine	16.16	16.96	
DDT	17.13		
DDD	17.13		
Parathion	5.80	6.44	
Theoretical chlorine	16.16	16.64	
Stauffer Chemical Co.			
DDT-Parathion-TDE 1.5-.5-1.5 E			
DDT	17.25		
DDD	17.25		
Parathion	5.50	5.64	
Theoretical chlorine	16.27	16.32	
DDT	17.25		
DDD	17.25		
Parathion	5.50	5.88	
Theoretical chlorine	16.27	16.71	
DDT—FERBAM			
Blue Chemical Company, Inc.			
Thor Brand Fermate—DDT Plant Bed Dust			
DDT	3.00	2.96	
Ferbam	11.40	11.72	Not Registered
Carolina Chemical Corp.			
Champion Brand Fermate DDT Dust			
DDT	3.00	3.35	
Ferbam	11.40	11.41	Passed
Coastal Chemical Corp.			
Coastal 15% Fermate 3% DDT Dust			
DDT	3.00	2.85	
Ferbam	11.40	11.58	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Daly-Herring Co.			
Dee Aitch 15% Fermate 3% DDT Dust			
DDT	3.00	2.96	
Ferbam	11.40	11.10	Passed
E-Z-Flo Chemical Co.			
Fermate-DDT Tobacco Bed Dust			
DDT	3.00	2.89	
Ferbam	11.40	12.34	Passed
FCX, Inc.			
FCX Ferbam 10 + 5% DDT Dust			
DDT	5.00	3.55	
Ferbam	11.40	12.17	Deficient
W. R. Grace and Co.			
Maxwell Insecticides Ferbam-DDT Dust			
DDT	3.00	2.75	
Ferbam	11.40	11.61	Passed
DDT	3.00	3.15	
Ferbam	11.40	12.01	Passed
DDT	3.00	3.19	
Ferbam	11.40	11.61	Passed
DDT	3.00	3.30	
Ferbam	11.40	11.65	Passed
Olin Mathieson Chemical Corp.			
Ferbam-DDT Dust			
DDT	3.00	2.85	
Ferbam	11.40	11.25	Passed
W. R. Peele Company, Inc.			
3% DDT Ferbam			
DDT	3.00	2.89	
Ferbam	11.40	11.58	Passed
DDT	3.00	2.70	
Ferbam	11.40	12.46	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Planters Chemical Corp.

Planters Fermate-DDT Plant Bed Dust

DDT	3.00	3.00	Passed
Ferbam	11.40	11.43	
DDT	3.00	2.29	Deficient
Ferbam	11.40	12.22	

Royster Chemical Co.

"515"-5% DDT and 15% Ferbam Dust

DDT	5.00	5.07	Passed
Ferbam	11.40	11.03	
DDT	5.00	3.68	Deficient
Ferbam	11.40	11.09	

Smith-Douglass Div.**The Borden Chemical Co.**

Fermate-DDT Plant Bed Dust

DDT	3.00	2.89	Deficient
Ferbam	11.40	8.33	
DDT	3.00	2.92	Deficient
Ferbam	11.40	9.95	

**DDT—FERBAM—
PYRETHRINS—SEVIN—
SULFUR—TEDION****O. M. Scott and Sons Co.****Haze**

DDT	5.00		Not Registered
Ferbam	7.50		
Pyrethrins	0.10	0.14	
Sevin	5.00		
Sulfur	28.00	29.60	
Tedion	1.00		
Theoretical chlorine	2.90	3.15	
Theoretical nitrogen	1.11	1.47	

DDT—FERBAM—SULFUR**FCX, Inc.**

FCX Rose Dust

DDT	5.00	5.07	Deficient
Ferbam	7.60	7.43	
Sulfur	75.00	69.35	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—LETHANE 384			
Boyle-Midway, Inc.			
Black Flag Contains 5% DDT Insect Spray			
DDT	5.00	5.37	Passed
Lethane 384	1.00	Present	
DDT—MANEB			
Daly-Herring Co.			
Dee Aitch Dithane M-22 DDT Dust			
DDT	3.00	2.75	Passed
Maneb	1.40	1.20	
DDT	3.00	3.00	Deficient
Maneb	1.40	1.11	
DDT	3.00	2.85	Deficient
Maneb	1.40	1.09	
DDT—METHYL PARATHION			
E-Z-Flo Chemical Co.			
M. Parathion, DDT 2½-10 Dust			
DDT	10.00	9.29	Deficient
Methyl parathion	2.50	2.27	
Oiln Mathieson Chemical Corp.			
Methyl Parathion-DDT 2.5-10-O			
DDT	10.00	14.28	Deficient
Methyl parathion	2.50	2.06	
DDT	10.00	11.86	Deficient
Methyl parathion	2.50	1.86	
Royster Chemical Co.			
"1025" Contains 10% DDT-2.5% Methyl Parathion			
DDT	10.00	10.78	Deficient
Methyl parathion	2.50	1.99	
Woolfolk Chemical Works, Inc.			
Security 2½% Methyl Parathion 5% DDT Cotton Dust			
DDT	5.00	4.82	Deficient
Methyl parathion	2.50	1.55	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Security 2½% Methyl Parathion 10% DDT Cotton Dust			
DDT	10.00	9.86	Deficient
Methyl parathion	2.50	1.89	
Security 2½% Methyl Parathion 20% DDT Cotton Dust			
DDT	20.00	20.28	Deficient
Methyl parathion	2.50	1.85	Not Registered

DDT—METHYL TRITHION

**The Borden Chemical Co.
Smith-Douglass Div.**

Methyl Trithion-DDT 3-7 Dust

DDT	7.00	Not Registered
Methyl trithion	3.00	
Theoretical chlorine	3.84	3.79

Carolina Chemicals, Inc.

Flight Brand DDT-Methyl Trithion 7-3 Dust

DDT	7.00	Passed
Methyl trithion	3.00	
Theoretical chlorine	3.84	3.84

E-Z-Flo Chemical Co.

Megethon 3-7 Dust

DDT	7.00	Passed
Methyl trithion	3.00	
Theoretical chlorine	3.84	3.84

Stauffer Chemical Co.

Methyl Trithion-DDT 3-7 Dust

DDT	7.00	Passed
Methyl trithion	3.00	
Theoretical chlorine	3.84	3.78

Woolfolk Chemical Works, Ltd.

Security Tri-Me 2½-10 Cotton Dust

DDT	10.00	Passed
Methyl trithion	2.50	
Theoretical chlorine	5.28	5.14

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—PARATHION—THIODAN			
Daly-Herring Co.			
Bacco Supreme Dust			
DDT	5.00		
Parathion	1.00	1.00	Passed
Thiodan	1.00		
Theoretical chlorine	3.03	2.91	
Bacco Supreme Emulsifiable Concentrate			
DDT	18.10		
Parathion	3.62	4.18	Passed
Thiodan	6.03		
Theoretical chlorine	12.20	11.98	
DDT	18.10		
Parathion	3.62	4.49	Passed
Thiodan	6.03		
Theoretical chlorine	12.20	12.06	
DDT	18.10		
Parathion	3.62	4.10	Passed
Thiodan	6.03		
Theoretical chlorine	12.20	13.04	
DDT	18.10		
Parathion	3.62	3.79	Passed
Thiodan	6.03		
Theoretical chlorine	12.20	12.57	
Niagara Chemical Div. FMC Corp.			
Prime Tobacco Dust			
DDT	5.00		
Parathion	1.00	1.38	Passed
Thiodan	1.00		
Theoretical chlorine	3.02	3.60	
Prime Tobacco Spray			
DDT	23.00		
Parathion	5.70	5.91	Not Registered
Thiodan	5.70		
Theoretical chlorine	14.48	14.12	
DDT—PHENOLS—NAPHTHALENE			
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Dryside			
DDT	1.00	1.10	Passed
Phenols	0.25	Present	
Naphthalene	1.50	Present	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—PIPERONYL BUTOXIDE—PYRETHRINS			
Gulf Oil Corp.			
Gulf House Garden Insect Killer			
DDT	2.00	1.97	Passed
Piperonyl butoxide	1.00	0.97	
Pyrethrins	0.25	0.27	
The Kroger Co.			
Kroger Kandu Flying Insect Killer			
DDT	2.00	1.87	Passed
Piperonyl butoxide	0.80	0.82	
Pyrethrins	0.25	0.27	
DDT	2.00	2.24	Passed
Piperonyl butoxide	0.80	0.78	
Pyrethrins	0.25	0.23	
DDT	2.00	2.22	Passed
Piperonyl butoxide	0.80	0.85	
Pyrethrins	0.25	0.27	
DDT—POLYRAM			
Daly-Herring Co.			
Bacco Bed Dust			
DDT	5.00	4.75	Passed
Polyram	3.50	3.69	
Niagara Chemical Div. FMC Corp.			
Polyram 5 DDT 5 Dust			
DDT	5.00	4.82	Passed
Polyram	5.00	5.26	
DDT—THANITE			
Cotter and Co.			
Tru-Test Insect Killer 5% DDT			
DDT	5.00	4.99	Passed
Thanite	2.50	2.54	
DeMert and Dougherty, Inc.			
Sh-Boom Bug Spray with 5% DDT			
DDT	5.00	5.20	Not Registered
Thanite	5.00	5.44	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—ZINEB			
E-Z-Flo Chemical Co.			
3.9% Zineb-10% DDT Tomato-Potato Dust			
DDT	10.00	9.72	Not Registered
Zineb	3.90	3.69	
FCX, Inc.			
FCX 6.5% Zineb Dust plus 5% DDT Dust			
DDT	5.00	4.79	Not Registered
Zineb	6.50	6.77	
W. R. Grace and Co.			
Maxwell Insecticides Dithane-DDT Dust			
DDT	3.00	3.11	Passed
Zineb	6.50	6.81	
W. R. Peele Company, Inc.			
10% Dithane 3% DDT			
DDT	3.00	3.00	Passed
Zineb	6.50	6.64	
F. S. Royster Guano Co. Royster Chemical Div.			
"565"-5% DDT-6.5% Zineb Dust			
DDT	5.00	3.46	Deficient
Zineb	6.50	5.94	
DDT	5.00	4.79	Deficient
Zineb	6.50	5.81	
DDT	5.00	3.14	Deficient
Zineb	6.50	6.81	
Smith-Douglass Div. The Borden Chemical Co.			
Zineb Dust with DDT 3.9-5			
DDT	5.00	4.89	Passed
Zineb	3.90	4.09	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDVP			
Allied Drug Products Co.			
Allied Brand Fly Bait			
DDVP	0.50	0.55	Passed
Central Soya			
Master Mix Sugar Fly Bait			
DDVP	0.50	0.49	Not Registered
E. Joseph Cossman and Co.			
Cossman Fly Cake			
DDVP	0.25	0.08	Deficient
do	0.25	0.06	Deficient
Dixi Chem of Greenville, Inc.			
Di-Sect DDVP Fly Bait			
DDVP	0.50	0.46	Passed
do	0.50	0.42	Passed
Farnam Companies, Inc.			
Farnam Super Die-Fly			
DDVP	0.50	0.73	Not Registered
F and W Enterprises, Inc.			
Flyco Brand Wet or Dry Fly Bait			
DDVP	0.50	0.81	Passed
Polk Miller Products Corp.			
Sergeant's Sentry Cat Collar			
DDVP	4.70	4.47	Passed
do	4.70	4.80	Not Registered
Ralston Purina Co.			
Purina Vapona Strip			
DDVP	20.00	19.98	Passed
Real-Kill Products			
Division of Cook Chemical Co.			
Real-Kill Insect Bomb			
DDVP	0.50	0.66	Passed

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Rexall Drug Co.				
Fly Killer Block				
DDVP	0.25	0.33	Passed	
Rigo Manufacturing Co.				
Kill-Ko Fly and Mosquito Spray				
DDVP	0.50	0.47	Passed	
Kill-Ko Sugar Base Fly Bait				
DDVP	0.50	0.53	Passed	
do	0.50	0.66	Passed	
do	0.50	0.55	Passed	
do	0.50	0.47	Passed	
Shell Chemical Co.				
No-Pest Strip Insecticide				
DDVP	20.00	21.17	Passed	
Starbar, Inc.				
Division Thuron Industries, Inc.				
Starbar Vaporette Bar				
DDVP	20.00	20.28	Not Registered	
Thompson-Hayward Chemical Co.				
De-Pester Vapona E-1				
DDVP	15.00	12.63	Deficient	
DDVP—BAYGON				
Boyle-Midway, Inc.				
Black Flag Ant and Roach Killer				
DDVP	0.20	0.21	Not Registered	
Baygon	0.50	0.53		
DDVP—CIODRIN				
Central Soya				
Master Mix Fly Spray for Dairy and Beef Cattle				
DDVP	0.25			Not Registered
Ciodrin	1.00			
Theoretical phosphorus	0.14	0.12		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Shell Chemical Co. Agricultural Chemicals Div.			
Ciovap Insecticide			
DDVP	0.25		Passed
Ciocrin	1.00		
Theoretical phosphorus	0.14	0.13	
DDVP—CIODRIN— PINE OIL			
Shell Chemical Co. Division of Shell Oil Co.			
Ciovap Insecticide			
DDVP	0.25		Passed
Ciocrin	1.00		
Pine oil	2.00	Present	
Theoretical phosphorus	0.14	0.14	
DDVP—DELNAV			
Starbar, Inc. Division Thuron Industries, Inc.			
Starbar Lintox-D Livestock Spray and Dip			
DDVP	1.07		Passed
Delnav	15.00		
Theoretical phosphorus	2.19	2.11	
DDVP—DICAPTHON— PERTHANE			
Starbar, Inc. Division Thuron Industries, Inc.			
Starbar Golden Malrin Sugar Bait			
DDVP	0.108		Passed
Dicaphthon	0.200		
Perthane	0.200		
Theoretical chlorine	0.11	0.15	
DDVP	0.108		Passed
Dicaphthon	0.200		
Perthane	0.200		
Theoretical chlorine	0.11	0.13	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDVP—DIPTEREX			
Ralston Purina Co.			
Purina Fly Bait (Sugar Base)			
DDVP	0.25		Passed
Dipterex	0.25		
Theoretical phosphorus	0.07	0.09	
Purina Fly Bait (Dry Killer)			
DDVP	0.25		Passed
Dipterex	0.25		
Theoretical phosphorus	0.07	0.10	
DDVP—PERTHANE			
Agricultural Specialties			
Malrin-576 W.E.			
DDVP	—		Misbranded
Perthane	—		Not Registered
Theoretical chlorine	—	10.21	
DDVP—PIPERONYL BUTOXIDE—PYRETHRINS			
Elanco Products Co.			
Division of Eli Lilly and Co.			
Greenfield Home and Patio Insect Spray			
DDVP	0.50	0.45	Not Registered
Piperonyl butoxide	1.00	0.94	
Pyrethrins	0.25	0.29	
DDVP—RONNEL			
Rexall Drug Co.			
Rexall Guaranteed Quality Roach Killer Block			
DDVP	0.25		Passed
Ronnel	2.00		
Theoretical chlorine	0.74	0.91	
DELPHENE			
Gulf Oil Corp.			
Gulf Insect Repellent			
Delphene	15.00	14.90	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hot Shot Quality Products, Inc.			
Skram Insect Repellent			
Delphene	15.00	15.18	Passed
S. C. Johnson and Son, Inc.			
Off! Insect Repellent			
Delphene	18.00	18.27	Passed
Real-Kill Products Division of Cook Chemical Co.			
Real-Kill Insect Repellent			
Delphene	15.00	15.30	Passed
do	15.00	15.42	Passed
Marin Craftsmen Div. Victrylite Candle Co.			
Flyte Insect Repellent Candle			
Delphene	2.10	2.01	Not Registered
DELPHENE—DI-N-PROPYL ISOCINCHOMERONATE— N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE			
Arlan's Department Stores, Inc.			
Arlan's Insect Repellent			
Delphene	7.00		Not Registered
Di-n-propyl isocinchomeronate	0.50		
N-octyl bicycloheptene dicarboximide	2.00		
Theoretical nitrogen	0.64	0.69	
The Borden Chemical Co. Smith-Douglass Div.			
Nutro Insect Repellent			
Delphene	7.00		Passed
Di-n-propyl isocinchomeronate	0.50		
N-octyl bicycloheptene dicarboximide	2.00		
Theoretical nitrogen	0.64	0.60	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Boyle-Midway, Inc.			
Ridz Towelette Insect Repellent			
Delphene	5.00		
Di-n-propyl isocinchomeronate	0.36		
N-octyl bicycloheptene dicarboximide	1.44		
Theoretical nitrogen	0.46	0.69	Passed
Geigy Agricultural Chemicals			
Geigy Kik Personal Insect Repellent			
Delphene	2.00		
Di-n-propyl isocinchomeronate	0.50		
N-octyl bicycloheptene dicarboximide	2.00		
Theoretical nitrogen	0.28	0.27	Passed
DAZINON			
Geigy Agricultural Chemicals			
Geigy Diazinon 14G Insecticide			
Diazinon	14.30	14.87	Passed
do	14.30	14.24	Passed
do	14.30	14.10	Passed
Geigy Spectracide Lawn and Garden Insect Control			
Diazinon	25.00	25.00	Passed
DAZINON—DIELDRIN— PIPERONYL BUTOXIDE— PYRETHRINS			
Pearson and Co.			
Pearson's Bug Spray			
Diazinon	0.30	0.35	Not Registered
Dieldrin	0.20	0.26	
Piperonyl butoxide	0.125	0.13	
Pyrethrins	0.05	0.06	
DAZINON—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PYRETHRINS			
Ralston Purina Co.			
Purina Roach Bomb			
Diazinon	0.50		
N-octyl bicycloheptene dicarboximide	0.17		
Pyrethrins	0.05	0.06	
Theoretical nitrogen	0.06	0.06	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**DAZINON—PIPERONYL BUTOXIDE—
PYRETHRINS****Colonial Products, Inc.**

Colonial RCS Kill Roaches, Ants

Diazinon	0.50	0.48	Passed
Piperonyl buxtoxide	0.20	0.23	
Pyrethrins	0.04	0.05	

Geigy Chemical Corp.

Geigy Crawl-Tox Liquid

Diazinon	0.50	0.50	Passed
Piperonyl buxtoxide	0.261	0.25	
Pyrethrins	0.052	0.067	
Diazinon	0.50	0.53	Passed
Piperonyl buxtoxide	0.261	0.23	
Pyrethrins	0.052	0.054	

W. R. Grace and Co.

Maxwell Insecticides Household Insect Spray

Diazinon	0.50	0.84	Passed
Piperonyl buxtoxide	0.261	0.33	
Pyrethrins	0.052	0.085	

DAZINON—RONNEL**Paxton Enterprises**

New Paxton's Roach and Water Bug Killer

Diazinon	0.50		Passed
Ronnel	0.50		
Theoretical phosphorus	0.10	0.09	
Diazinon	0.50		Passed
Ronnel	0.50		
Theoretical phosphorus	0.12	0.12	

DIBROM**California Chemical Co.
Ortho Div.**

Ortho Dibrom Fly Spray

Dibrom	1.00	1.05	Passed
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Ortho Dibrom 8 Emulsive

Dibrom	60.00	63.36	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Chevron Chemical Co. Ortho Div.			
Ortho Fly Killer D Dibrom	36.00	35.75	Passed
DIELDRIN—DDVP			
Boyle-Midway, Inc.			
Black Flag Ant and Roach Killer			
Dieldrin	0.50		Passed
DDVP	0.50		
Theoretical chlorine	0.44	0.44	
Farnam Companies, Inc.			
Farnam Ant and Roach Killer			
Dieldrin	0.50		Deficient
DDVP	0.50		Not Registered
Theoretical chlorine	0.44	0.15	
Hot Shot Quality Products, Inc.			
Hot Shot Roach and Ant Bug Killer (Pressurized)			
Dieldrin	0.50		Passed
DDVP	0.50		
Theoretical chlorine	0.44	0.45	
S. C. Johnson and Son, Inc.			
Raid Ant and Roach Killer			
Dieldrin	0.50		Passed
DDVP	0.50		
Theoretical chlorine	0.44	0.41	
Dieldrin	0.50		Passed
DDVP	0.50		
Theoretical chlorine	0.44	0.37	
The Kroger Co.			
Kroger Kandu Ant and Roach Killer			
Dieldrin	0.30		Passed
DDVP	0.20		
Theoretical chlorine	0.23	0.21	
Real-Kill Products Division of Cook Chemical Co.			
Real-Kill Bug Killer			
Dieldrin	0.50		Passed
DDVP	0.50		
Theoretical chlorine	0.44	0.43	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Rigo Manufacturing Co.			
Kill-Ko Insect Bomb Vapor Action Quick Kill			
Dieldrin	0.30		Passed
DDVP	0.50		
Theoretical chlorine	0.33	0.36	
Kill-Ko Roach and Ant Killer			
Dieldrin	—		Misbranded
DDVP	—		
Theoretical chlorine	—	0.36	
DIELDRIN—DDVP— PIPERONYL BUTOXIDE— PYRETHRINS			
Nip-Co Manufacturing, Inc.			
Jet Hornet Bomb			
Dieldrin	0.50		Not Registered
DDVP	0.50		
Piperonyl butoxide	0.125	0.157	
Pyrethrins	0.05	0.06	
Theoretical chlorine	0.44	0.44	
DIELDRIN—METALDEHYDE			
Rigo Manufacturing Co.			
Kill-Ko Bug Bait			
Dieldrin	1.00	0.90	Deficient
Metaldehyde	2.00	1.28	
Dieldrin	1.00	0.95	Passed
Metaldehyde	2.00	1.92	
Sears, Roebuck and Co.			
Snail and Slug Bait			
Dieldrin	0.50	0.63	Passed
Metaldehyde	3.00	3.12	
DIELDRIN—PYRETHRINS			
The Borden Chemical Co. Smith-Douglas Div.			
Nutro Ant and Roach Spray			
Dieldrin	0.50	0.38	Passed
Pyrethrins	0.05	0.08	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIPHACINONE			
Niagara Chemical Div. FMC Corp.			
Diphacin Rodenticide—Kills Rats and Mice			
Diphacinone	0.005	0.005	Not Registered
Thompson-Hayward Chemical Co.			
De-Pester Rat-Trol Bait			
Diphacinone	0.005	0.007	Not Registered
DIPTEREX			
Chemagro Corp.			
Dipterex Sugar Bait			
Dipterex	1.00	1.04	Not Registered
Cossman and Levine, Inc.			
Cossman Fly Cake			
Dipterex	1.00	0.93	Passed
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Fatal-Fly			
Dipterex	1.00	0.93	Passed
Thompson-Hayward Chemical Co.			
De-Pester Nox-Fly Bait			
Dipterex	1.00	0.59	Deficient
DIQUAT			
Chevron Chemical Co. Ortho Div.			
Ortho Diquat Water Weed Killer			
Diquat	35.30	37.00	Passed
do	35.30	35.14	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DI-SYSTON			
Chemagro Corp.			
Di-Syston 10% Granular Systemic Insecticide			
Di-Syston	10.00	10.87	Passed
do	10.00	10.03	Passed
ETHYLENE DIBROMIDE			
W. R. Grace and Co.			
Maxwell Insecticides Garden Soil Fumigant			
Ethylene dibromide	41.00	42.55	Passed
do	41.00	41.09	Passed
ETHYLENE DICHLORIDE			
Woolfolk Chemical Works, Ltd.			
Security Di-Chlor-Mulsion			
Ethylene dichloride	90.00	87.15	Not Registered
ETHYLENE DICHLORIDE— CARBON TETRACHLORIDE			
Woolfolk Chemical Works, Ltd.			
Security Diweevil Grain Fumigant			
Ethylene dichloride	75.00		Passed
Carbon tetrachloride	25.00		
Theoretical chlorine	76.80	74.80	
ETHYL HEXANEDIOL			
John Charles Co.			
Tiki Torch Fuel			
Ethyl hexanediol	2.00	1.94	Not Registered
Union Carbide Corp.			
Consumer Products Div.			
"6-12" Insect Repellent Spray			
Ethyl hexanediol	20.00	20.20	Passed
Walgreen Laboratories, Inc.			
Insect Repellent Spray			
Ethyl hexanediol	20.00	23.20	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FERBAM			
Blue Chemical Company, Inc.			
Thor Brand Fermate Dust			
Ferbam	11.40	10.73	Deficient Not Registered
The Borden Chemical Co. Smith-Douglass Div.			
Fermate Dust			
Ferbam	11.40	11.85	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 15% Fermate Dust			
Ferbam	11.40	12.04	Passed
Carolina Chemical Corp.			
Fermate Dust			
Ferbam	11.40	11.48	Passed
Doly-Herring Co.			
Dee Aitch 15% Fermate Dust			
Ferbam	11.40	11.57	Passed
E-Z-Flo Chemical Co.			
Fermate 15 Dust			
Ferbam	11.40	10.98	Passed
W. R. Grace and Co.			
Maxwell Insecticides 15% Fermate Dust			
Ferbam	11.40	11.65	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Ferbam Tobacco Dust			
Ferbam	11.40	8.81	Deficient
Olin Mathieson Chemical Corp.			
Ferbam Dust			
Ferbam	11.40	11.01	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
F. S. Royster Guano Co.			
Royster Chemical Div.			
"150" Contains 15% Ferbam			
Ferbam	11.40	11.09	Passed
do	11.40	11.53	Passed
do	11.40	10.86	Passed
Smith-Douglass Div.			
The Borden Chemical Co.			
Fermate Dust			
Ferbam	11.40	12.30	Passed
FLUORINE COMPOUNDS			
SODIUM FLUORIDE			
Fairfax Biological Laboratory			
Roach Doom			
Sodium fluoride	90.00	96.19	Passed
do	90.00	92.15	Passed
do	90.00	92.05	Passed
McKesson Laboratories			
McKesson Sodium Fluoride Insecticide			
Sodium fluoride	97.00	96.47	Passed
Merck and Company, Inc.			
Sodium Fluoride Merck Tinted			
Sodium fluoride	95.00	96.08	Passed
Nott Manufacturing Co.			
Nott Roach Powder			
Sodium fluoride	90.00	94.68	Passed
W. R. Sweeney Manufacturing, Inc.			
Sweeney's Sodium Fluoride			
Sodium fluoride	90.00	94.59	Not Registered
Tornado Manufacturing Co.			
Torco Poisoned Starling Pellets			
Sodium fluoride	3.00	1.75	Deficient Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SODIUM FLUORIDE—CHLORDANE			
Heller Laboratories, Inc. A Division of B. Heller and Co.			
\$1000.00 Guaranteed Ant Bane			
Sodium fluoride	50.00	51.78	Passed
Chlordane	2.00	2.85	
SODIUM FLUORIDE—PIPERONYL BUTOXIDE—PYRETHRINS			
Oakwood Medical Center, Inc.			
RD Roach Powder			
Sodium fluoride	58.00	57.59	Passed
Piperonyl butoxide	1.50	1.35	
Pyrethrins	0.15	0.14	
Rigo Manufacturing Co.			
Kill-Ko Roach Powder			
Sodium fluoride	58.00	56.34	Passed
Piperonyl butoxide	1.50	1.35	
Pyrethrins	0.15	0.23	
S. C. Wells and Company			
Rough and Bugs			
Sodium fluoride	58.00	52.81	Deficient
Piperonyl butoxide	1.50	0.97	
Pyrethrins	0.15	0.17	
SODIUM FLUORIDE—PYRETHRINS			
Master Products Co.			
Roach Buster			
Sodium fluoride	38.80	37.84	Passed
Pyrethrins	0.35	0.31	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**SODIUM FLUORIDE—
PYRETHRINS—SODIUM
FLUOSILICATE**

Pearson and Co.

Pearson's Roach Poison

Sodium fluoride	59.00		Passed
Pyrethrins	0.18	0.20	
Sodium fluosilicate	1.00		
Theoretical fluoride	27.30	26.15	

**SODIUM FLUOSILICATE—
CHLORDANE—DIAZINON**

Shepard Chemical Works, Inc.

Shepard's Roach Killer

Sodium fluosilicate	57.00	60.01	Passed
Chlordane	0.50	0.35	
Diazinon	0.50	0.58	
Sodium fluosilicate	57.00	58.31	Deficient
Chlordane	0.50	0.13	
Diazinon	0.50	0.62	

**SODIUM FLUOSILICATE—
SULFUR**

Nip-Co Manufacturing, Inc.

Nip-Co's Gas'm

Sodium fluosilicate	6.66	6.60	Misbranded
Sulfur	35.73	43.47	

FUMARIN

The Dill Company, Inc.

Dill's Rat-Tabs With DC72

Fumarin	0.025	0.024	Passed
do	0.025	0.026	Passed
do	0.025	0.024	Passed

Dixi Chem of Greenville, Inc.

Bannerin 58 Contains Fumarin Rats and Mouse Killer

Fumarin	0.025	0.025	Passed
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Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Oakwood Medical Center, Inc.				
RD Rat Kill				
Fumarin	0.025	0.027	Passed	
Rigo Manufacturing Co.				
Kill-Ko Mouse and Rat Bait Pellets-Cheese Odor Added				
Fumarin	0.038	0.034	Passed	
do	0.038	0.036	Passed	
Kill-Ko Rat Bait Pellets				
Fumarin	0.025	0.025	Passed	
Sears, Roebuck and Co.				
Sears Rat and Mouse Bait Station				
Fumarin	0.025	0.026	Passed	
Southern Agricultural Insecticides, Inc.				
SA-50 Brand Kill Rats and Mice				
Fumarin	0.025	0.030	Passed	
Swift and Co. Agrichem Div.				
End-O-Pest Rat and Mouse Bait				
Fumarin	0.025	0.024	Passed	
do	0.025	0.024	Not Registered	
KEPONE				
Allied Chemical Corp. Nitrogen Div.				
Allied Chemical 4% Kepone Bait				
Kepone	4.00	3.76	Passed	
Boyle-Midway, Inc.				
Antrol Ant Traps				
Kepone	0.125	0.125	Passed	
Echols Manufacturing Co.				
Echols (Kingtex) Roach, Ant and Waterbug Killer				
Kepone	0.125	0.134	Passed	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
O. E. Linck Div. Walco-Linck Corp.			
EZ-DED Roach Trap			
Kepone	0.125	0.124	Not Registered
Old 97 Company			
Old 97 Roach and Ant Killer			
Kepone	0.125	0.125	Not Registered
MALATHION			
Acme Insecticide Div. Acme Quality Paints, Inc.			
Acme Malathion 50% Spray			
Malathion	50.00	49.66	Passed
Blue Chemical Company, Inc.			
Thor Brand 5% Malathion Dust			
Malathion	5.00	4.78	Not Registered
Thor Brand 5# Malathion Emulsion			
Malathion	55.00	55.90	Not Registered
do	55.00	56.85	Not Registered
The Borden Chemical Co. Smith-Douglass Div.			
Smith-Douglass Multi-Purpose Malathion			
Malathion	55.75	54.23	Not Registered
Cape Fear Chemicals, Inc.			
Tiger Brand 4% Malathion Dust			
Malathion	4.00	4.13	Passed
Carolina Chemical Corp.			
4% Malathion			
Malathion	4.00	0.03	Deficient
Malathion E.C.			
Malathion	55.00	57.16	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 4% Malathion Dust			
Malathion	4.00	3.62	Deficient Not Registered
Columbia Nitrogen Corp.			
Columbia Brand 5% Malathion Dust			
Malathion	5.00	4.27	Deficient
Daly-Herring Co.			
D-H 4% Malathion Dust			
Malathion	4.00	3.70	Passed
Dee Aitch 57% Malathion Premium Grade Emulsifiable Concentrate			
Malathion	57.00	54.74	Passed
E-Z-Flo Chemical Co.			
5% Malathion Dust			
Malathion	5.00	3.99	Deficient
Malathion 5E			
Malathion	56.50	58.28	Passed
FCX, Inc.			
FCX 4% Malathion Dust			
Malathion	4.00	3.90	Passed
Farmers Cooperative Exchange, Inc.			
5% Malathion Dust			
Malathion	5.00	4.65	Passed
Florida Agricultural Supply Co.			
Fasco Malathion 25-WP			
Malathion	25.00	24.11	Not Registered
W. R. Grace and Co.			
Maxwell Insecticides 4% Malathion Dust			
Malathion	4.00	3.73	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticides Malathion 55% Emulsion			
Malathion	55.00	56.42	Passed
Olin Mathieson Chemical Corp.			
Olin Malathion 4% Dust			
Malathion	4.00	4.01	Passed
W. R. Peele Company, Inc.			
Pelco 4% Malathion Dust			
Malathion	4.00	3.81	Passed
do	4.00	3.80	Passed
Planters Chemical Corp.			
Division of Thompson-Hayward Chemical Co.			
Planters 4% Malathion Dust			
Malathion	4.00	3.75	Passed
do	4.00	3.39	Deficient
Rigo Manufacturing Co.			
Kill-Ko Malathion 5% Dust			
Malathion	5.00	4.07	Deficient
Kill-Ko Malathion 50%			
Malathion	50.00	49.31	Passed
Sears, Roebuck and Co.			
Sears 50% Malathion Spray			
Malathion	50.00	51.20	Passed
Smith-Douglass Div. The Borden Chemical Co.			
4% Malathion Dust			
Malathion	4.00	3.61	Deficient
Southern Agricultural Chemicals, Inc.			
Royal Brand Malathion 5-E			
Malathion	55.30	58.29	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 1% Malathion Dust			
Malathion	1.00	0.75	Deficient Not Registered
SA-50 Brand 4% Malathion Dust			
Malathion	4.00	3.93	Passed
do	4.00	3.79	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's 5% Malathion Dust			
Malathion	5.00	4.16	Deficient
United Co-Operatives, Inc.			
Unico Malathion Wettable Powder			
Malathion	25.00	24.35	Passed
Woolfolk Chemical Works, Ltd.			
Security 5% Malathion Dust			
Malathion	5.00	5.66	Passed
MALATHION—CAPTAN— METHOXYCHLOR			
Acme Insecticide Div. Acme Quality Paints, Inc.			
Acme Fruit Tree Spray			
Malathion	6.00	6.70	Passed
Captan	12.00		
Methoxychlor	12.00		
Theoretical chlorine	7.90	8.14	
Malathion	6.00	5.99	Passed
Captan	12.00		
Methoxychlor	12.00		
Theoretical chlorine	7.90	7.98	
MALATHION—CAPTAN— SEVIN			
Seacoast Laboratories, Inc.			
Twin Light Sprayall for Fruit			
Malathion	4.00	3.80	Not Registered
Captan	7.50	7.60	
Sevin	5.00	4.92	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
MALATHION—CRESOLS— ORGANIC AMMONIUM CHLORIDES			
Carbola Chemical Company, Inc.			
Carbola Super D Dry Dust			
Malathion	0.66	0.14	Deficient
Cresols	3.00	Present	
Methyl dodecyl benzyltrimethyl ammonium chloride	1.60		
Methyl dodecyl xylylene bis (trimethyl ammonium chloride)	0.40		
Theoretical chlorine	0.19	0.11	
Malathion	0.66	0.34	Deficient
Cresols	3.00	Present	
Methyl dodecyl benzyltrimethyl ammonium chloride	1.60		
Methyl dodecyl xylylene bis (trimethyl ammonium chloride)	0.40		
Theoretical chlorine	0.19	0.10	
MALATHION—DDVP			
Allied Drug Products Co.			
Allied Brand Fly Bait			
Malathion	1.00		Deficient
DDVP	0.50		
Theoretical phosphorus	0.16	0.07	
Hot Shot Quality Products, Inc.			
Hot Shot Fly Bait			
Malathion	1.00		Passed
DDVP	0.50		
Theoretical phosphorus	0.16	0.18	
Malathion	1.00		Passed
DDVP	0.50		
Theoretical phosphorus	0.16	0.20	
MALATHION—DDVP— DIELDRIN			
Woolfolk Chemical Works, Ltd.			
Security Roach Kill			
Malathion	2.50		Passed
DDVP	0.50		
Dieldrin	0.25		
Theoretical chlorine	0.30	0.23	
Theoretical phosphorus	0.30	0.27	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
MALATHION— METHOXYCHLOR			
Chas. Pfizer and Company, Inc.			
Pfizer Dairy Cattle Dust			
Malathion	4.00	4.04	Not Registered
Methoxychlor	5.00	5.40	
Dr. LeGear, Inc.			
LeGear Dairy and Cattle Dust			
Malathion	4.00	3.84	Passed
Methoxychlor	5.00	5.28	
MALATHION— METHOXYCHLOR— PIPERONYL BUTOXIDE— PYRETHRINS—ROTENONE			
Happy Jack, Inc.			
Happy Jack Flea and Tick Spray			
Malathion	0.250	0.220	Passed
Methoxychlor	0.500	0.510	
Piperonyl butoxide	0.103	0.122	
Pyrethrins	0.051	0.089	
Rotenone	0.100	Present	
MALATHION— METHOXYCHLOR— PIPERONYL BUTOXIDE— PYRETHRINS—2,2' THIOBIS (4-CHLORO-6-METHYL PHENOL)			
The R. T. French Co.			
Shoo Flea			
Malathion	0.50	0.51	Passed
Methoxychlor	0.50		
Piperonyl butoxide	0.48	0.42	
Pyrethrins	0.06	0.08	
2,2' Thiobis (4-chloro-6-methyl phenol)	0.10		
Theoretical chlorine	0.10		
	0.17	0.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
MALATHION—PINE OIL—ROtenone			
Ralston Purina Co.			
Purina Back Scratch Concentrate (M&R)			
Malathion	28.50	27.25	Passed
Pine oil	1.42	Present	
Rotenone	0.71	Present	
MALATHION—PIPERONYL BUTOXIDE—PYRETHRINS—ROtenone			
H. Clay Glover Company, Inc.			
Glover's Imperial Flea Killer (Powder)			
Malathion	2.00	2.01	Passed
Piperonyl butoxide	0.750	0.880	
Pyrethrins	0.075	0.070	
Rotenone	1.00	1.18	
MALATHION—SULFUR			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 4% Malathion-70% Sulfur-1% Manganese Pole Bean Dust			
Malathion	4.00	3.83	Passed
Sulfur	70.00	72.25	
MANEB			
Black Leaf Products Co.			
Black Leaf Maneb Fungicide			
Maneb	80.00	79.47	Not Registered
do	80.00	67.77	Deficient
Coastal Chemical Corp.			
Dithane M-22 Special			
Maneb	1.40	1.20	Passed
FCX, Inc.			
FCX 1.4% Maneb Dust			
Maneb	1.40	1.52	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nott Manufacturing Company, Inc.			
Tri-Ogen Blackspot Spray			
Maneb	80.00	70.81	Deficient Not Registered
Olin Mathieson Chemical Corp.			
Maneb 4% Dust			
Maneb	4.00	2.31	Deficient
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Maneb Spray Concentrate			
Maneb	80.00	75.24	Deficient
MANEB—PARATHION			
FCX, Inc.			
FCX 1.4% Maneb + 1% Parathion Dust			
Maneb	1.40	0.70	Deficient
Parathion	1.00	0.79	
METALDEHYDE			
Acme Insecticide Div. Acme Quality Paints, Inc.			
Slug and Snail Spray			
Metaldehyde	20.00	20.88	Passed
Boyle-Midway, Inc.			
Snarol Meal			
Metaldehyde	3.00	2.91	Passed
Snarol Pellets			
Metaldehyde	3.30	3.83	Passed
The Murphy Chemical Company, Ltd.			
Slugit			
Metaldehyde	20.00	20.22	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
METHOXYCHLOR			
E. I. du Pont de Nemours and Co.			
DuPont Dairy Cattle Insecticide			
Methoxychlor	50.00	51.50	Passed
do	50.00	50.71	Passed
Ralston Purina Co.			
Purina Cattle Dust			
Methoxychlor	10.00	9.90	Passed
do	10.00	9.72	Passed
Rigo Manufacturing Co.			
Kill-Ko Dairy Kattle Dust			
Methoxychlor	10.00	9.80	Passed
do	10.00	10.05	Passed
do	10.00	10.64	Passed
METHOXYCHLOR—LETHANE 384			
Douglas Chemical Co.			
Douglas "88" Improved Farm Bin Spray			
Methoxychlor	3.75	4.38	Passed
Lethane 384	1.60	2.36	
METHOXYCHLOR—PIPERONYL BUTOXIDE PYRETHRINS			
Aeroseal Corp.			
Aeroseal Yard Fog Insect Killer and Repellent			
Methoxychlor	1.00	0.35	Deficient
Piperonyl butoxide	1.00	0.37	Not Registered
Pyrethrins	0.20	0.15	
Boyle-Midway, Inc.			
Black Flag Insect Spray-New Improved Formula			
Methoxychlor	0.75	0.83	Not Registered
Piperonyl butoxide	0.12	0.10	
Pyrethrins	0.10	0.14	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Gulf Oil Corp.			
Quick Action Gulf Spray			
Methoxychlor	0.75	0.79	Passed
Piperonyl butoxide	0.12	0.13	
Pyrethrins	0.10	0.09	
Gulfspray Aerosol			
Methoxychlor	2.00	2.32	Passed
Piperonyl butoxide	1.00	0.89	
Pyrethrins	0.25	0.16	
Pet Chemicals, Inc.			
Holiday Flea Spray for Cats			
Methoxychlor	0.50	0.66	Passed
Piperonyl butoxide	1.00	1.18	
Pyrethrins	0.10	0.12	
O. M. Scott and Sons			
Scott's Outdoor Insect Stop			
Methoxychlor	1.00	1.12	Passed
Piperonyl butoxide	1.00	0.81	
Pyrethrins	0.20	0.29	
METHOXYCHLOR— PIPERONYL BUTOXIDE— PYRETHRINS—ROTENONE			
Carbola Chemical Company, Inc.			
Carbola CCC Home and Garden Insect Bomb			
Methoxychlor	2.00	1.99	Passed
Piperonyl butoxide	1.00	0.89	
Pyrethrins	0.20	0.24	
Rotenone	0.15	Present	
METHOXYCHLOR— PIPERONYL BUTOXIDE— PYRETHRINS—THANITE			
Chevron Chemical Co. Ortho Div.			
Ortho Fly Spray			
Methoxychlor	0.50	0.55	Passed
Piperonyl butoxide	0.50	0.46	
Pyrethrins	0.05	0.06	
Thanite	0.30	0.43	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Independent Grocers Alliance Distributing Co.			
IGA Flying Insect Bomb			
Methoxychlor	3.00	2.94	Not Registered
Piperonyl butoxide	0.50	0.41	
Pyrethrins	0.10	0.10	
Thanite	2.00	2.02	
METHOXYCHLOR—ROtenone—ZINEB			
Chevron Chemical Co. Ortho Div.			
Ortho Vegetable Dust			
Methoxychlor	5.00	5.79	Deficient
Rotenone	0.75	Present	
Zineb	5.20	4.15	
MH-30			
The Ansul Co.			
Sucker-Stuff			
Dimethanolamine salt of 6-hydroxy-3-(2H)-pyridazinone	58.00	58.90	Passed
Uniroyal Chemical Division of Uniroyal, Inc.			
MH-30			
Dimethanolamine salt of 6-hydroxy-3-(2H)-pyridazinone	58.00	59.19	Passed
MOCAP			
Mobil Chemical Co. Industrial Chemical Div.			
Mocap Nematocide-Insecticide 10% Granular			
Mocap	10.00	10.17	Passed
do	10.00	9.71	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
NAPHTHALENE			
A-M-R Chemical Company, Inc.			
AMR Moth Flakes			
Naphthalene	100.00	100.00	Not Registered
Cumberland Manufacturing Co.			
Swan Moth Balls			
Naphthalene	100.00	99.64	Not Registered
Excell Chemical Products Co.			
Excell Moth Flakes			
Naphthalene	100.00	99.75	Passed
Kenova Chemical Co.			
Kenoco Naphthalene Moth Flakes			
Naphthalene	100.00	99.38	Not Registered
Para Industries, Inc.			
Click Moth Balls			
Naphthalene	100.00	99.78	Passed
Reliable Chemical Company, Inc.			
Reliable Moth Balls			
Naphthalene	100.00	100.00	Not Registered
Reliable Moth Flakes			
Naphthalene	100.00	99.75	Not Registered
Standard Naphthalene Products Co.			
Rid-O-Moth, Moth Balls			
Naphthalene	100.00	99.30	Passed
do	100.00	99.88	Not Registered
Superior Manufacturing Division of Clean Home Products, Inc.			
Superior Brand Moth Balls			
Naphthalene	100.00	99.75	Not Registered
Superior Brand Moth Flakes			
Naphthalene	100.00	99.50	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
NEMAGON			
Pearson and Co.			
Pearson's 5% Nema-Kill Granules			
Nemagon	4.95	4.95	Not Registered
Planters Chemical Corp.			
Division of Thompson-Hayward Chemical Co.			
Planters Fumazone 44E-EC Soil Fumigant			
Nemagon	41.90	41.55	Passed
Shell Chemical Co.			
Agricultural Chemical Div.			
Nemagon 12.1 Concentrate Soil Fumigant			
Nemagon	81.70	81.68	Passed
Stephenson Chemical Company, Inc.			
Stephenson Chemicals 10% Nemagon Granules			
Nemagon	10.00	7.86	Deficient
ORGANIC AMMONIUM CHLORIDES			
Aerosol Specialties, Inc.			
Germ-A-Safe Disinfectant Spray			
N-alkyl dimethyl ethylbenzyl ammonium chloride	0.045		Not Registered
N-alkyl dimethyl dimethylbenzyl ammonium chloride	0.045		
N-alkyl dimethyl isopropyl benzyl ammonium chloride	0.030		
N-alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethylbenzyl ammonium chloride	0.03		
Theoretical chlorine	0.02	0.03	
S. C. and Johnson and Son, Inc.			
Glade Germicidal Disinfectant			
N-alkyl dimethyl benzyl ammonium chloride	0.065		Passed
N-alkyl dimethyl ethyl benzyl ammonium chloride	0.065		
Theoretical chlorine	0.02	0.02	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ORGANIC AMMONIUM CHLORIDES—THYMOL			
Vineland Laboratories, Inc.			
Sani-Squad			
Methyldodecylbenzyl trimethyl ammonium chloride	1.69		Not Registered
Methyldodecylxylene bis (trimethyl ammonium chloride)	0.42		
Thymol	2.64	Present	
Theoretical chlorine	0.20	0.28	
ORGANIC AMMONIUM CHLORIDES—HYDROGEN CHLORIDE			
Spartan Chemical Company, Inc.			
Spartan Germicidal Tuberculocidal Bowl Cleanse			
N-alkyl dimethyl benzyl ammonium chloride	0.05		Not Registered
Tributyltin chloride complex of ethylene oxide condensate of abietylamine	0.05		
Hydrogen chloride	23.00		
Theoretical chlorine	22.40	22.29	
PARADICHLOROBENZENE			
Clean Home Products, Inc.			
Apex Fresh'N Clothes Closet Block			
Paradichlorobenzene	99.00	98.87	Not Registered
Dale Chemical Co. Division of Irwin-Willert Co.			
Bouquet-Aire Hang-Up Cakes			
Paradichlorobenzene	99.75	98.33	Not Registered
Lavender Deodorant Crystals			
Paradichlorobenzene	100.00	99.81	Not Registered
Value-Pak Metal Vaporizer Refill			
Paradichlorobenzene	100.00	98.15	Passed
The Dill Company, Inc.			
Odorall Moth Cake Deodorant			
Paradichlorobenzene	99.00	99.43	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Odorall Moth Cake Deodorant Paradichlorobenzene	100.00	98.88	Not Registered
Quinton Co.			
Di-chloricide Moth Crystals Paradichlorobenzene	100.00	98.88	Passed
Rexall Drug Co.			
Rexall Guaranteed Quality Moth Crystals Paradichlorobenzene	100.00	100.00	Passed
Sarandos Deodorant Company, Inc.			
Fresh Air Moth Crystals Paradichlorobenzene	100.00	99.38	Passed
do Paradichlorobenzene	100.00	98.70	Not Registered
The Sterling Company, Inc.			
Miracle Brand Moth Nuggets Paradichlorobenzene	100.00	100.00	Not Registered
PARADICHLOROBENZENE— STROBANE			
Boyle-Midway, Inc.			
Woolite Moth Spray Paradichlorobenzene	5.00		Passed
Strobane	5.00		
Theoretical chlorine	5.71	5.88	
Black Flag Moth-Ded Paradichlorobenzene	5.00		Passed
Strobane	5.00		
Theoretical chlorine	5.71	5.76	
PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 4% Parathion Granules Parathion	4.00	3.71	Passed
Thor Brand 4 lb. Ethyl Parathion Parathion	46.50	46.09	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
The Borden Chemical Co. Smith-Douglass Div.			
Parathion 4 lb.			
Parathion	46.50	45.35	Not Registered
Carolina Chemical Corp.			
4% Parathion Granules			
Parathion	4.00	3.22	Deficient
Champion Liquid 4E Parathion			
Parathion	49.00	42.91	Deficient
Coastal Chemical Corp.			
4% Parathion Granular			
Parathion	4.00	3.91	Passed
E-Z-Flo Chemical Co.			
4% Granular Parathion			
Parathion	4.00	3.86	Passed
Farmers Cooperative Exchange, Inc.			
FCX 4% Parathion Granular			
Parathion	4.00	3.39	Deficient
FCX, Inc.			
FCX 4% Parathion Granular			
Parathion	4.00	3.87	Passed
W. R. Grace and Co.			
Maxwell Insecticides 1% Parathion Dust			
Parathion	1.00	0.89	Misbranded
Naco Parathion 4% Granules			
Parathion	4.00	3.88	Passed
do	4.00	3.82	Passed
do	4.00	3.34	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. FMC Corp.			
Niagara Parathion 4 Granular			
Parathion	4.00	3.70	Passed
do	4.00	3.76	Passed
do	4.00	4.15	Passed
do	4.00	3.62	Deficient
Parathion 4 Emulsifiable			
Parathion	47.00	41.47	Deficient Misbranded
Olin Mathieson Chemical Corp.			
Parathion 2% Dust			
Parathion	2.00	1.76	Deficient
Parathion 4% Granular			
Parathion	4.00	4.28	Passed
do	4.00	3.70	Passed
Planters Chemical Corp.			
Planters Wireworm Granules			
Parathion	4.00	3.22	Deficient
F. S. Royster Guano Co. Royster Chemical Div.			
"40-G" 4% Ethyl Parathion Granules			
Parathion	4.00	3.72	Passed
do	4.00	3.76	Passed
do	4.00	3.66	Deficient
Smith-Douglass Div. The Borden Chemical Co.			
4% Parathion Granular			
Parathion	4.00	2.88	Deficient
Standard Spray and Chemical Co.			
42% Parathion			
Parathion	42.00	6.29	Deficient Not Registered
42% Parathion Water Emulsion			
Parathion	42.00	20.94	Deficient Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PARATHION—SULFUR			
E-Z-Flo Chemical Co.			
Peach Spray No. 2			
Parathion	3.70	3.59	Passed
Sulfur	75.00	75.80	
PARATHION—ZINEB			
FCX, Inc.			
FCX 6½% Zineb + 1% Parathion			
Parathion	1.00	1.02	Passed
Zineb	6.50	6.70	
PENAR			
Pennsalt Chemicals Corp.			
Penar	56.50	56.21	Passed
do	56.50	54.50	Passed
PENTACHLOROPHENOL			
DeMert and Dougherty, Inc.			
D&D Bloxrot-R Water Repellent Penta			
Pentachlorophenol	5.00	4.84	Not Registered
Federal Chemical Company, Inc.			
Arab Wood Preservative			
Pentachlorophenol	5.00	3.44	Deficient
Forshaw Chemicals, Inc.			
Pentacon-40			
Pentachlorophenol	40.00	40.46	Passed
Wood Treating Chemicals Co.			
Woodtox Water Repellent Penta Preservative			
Pentachlorophenol	5.00	5.42	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PERTHANE			
S. C. Johnson and Son, Inc.			
Raid Moth Proofer			
Perthane	5.00	5.63	Passed
Walgreen Laboratories, Inc.			
Dolph Moth Proofer Spray			
Perthane	4.75	4.95	Passed
PETROLEUM DERIVATIVE SOLVENTS			
California Spray Chemical Corp.			
Volk Paste Emulsion			
Petroleum oils	80.00	81.60	Passed
E-Z-Flo Chemical Co.			
Sucker Dope			
Aromatic petroleum derivative solvent	98.50	98.15	Passed
do	98.50	97.88	Passed
do	98.50	98.75	Passed
Sears, Roebuck and Co.			
Sears Dormant and Summer Spray			
Petroleum oils	97.00	97.31	Passed
Swift and Co.			
Agricultural Chemical Div.			
End-O-Pest Oil Emulsion			
Petroleum oils	80.00	80.78	Not Registered
PHENOL PREPARATIONS			
Chas. Pfizer and Company, Inc.			
Pfizer Dip and Disinfectant			
Cresylic acid	11.00	11.64	Not Registered
William Cooper and Nephews, Inc.			
Cooper Saponified Cresylic Solution			
Cresylic acids	50.00	50.32	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dr. LeGear, Inc.			
LeGear Dip and Disinfectant			
Coal tar acids	11.00	10.81	Passed
Lehn and Fink Products			
Division of Sterling Drug, Inc.			
Lysol Spray Disinfectant			
O-Phenylphenol	0.10	0.10	Passed
National Hog Medicine Co.			
National Creso Dip			
Phenols	18.00	5.76	Deficient
Rigo Manufacturing Co.			
Kill-Ko Dip and Disinfectant			
Cresylic acid	12.00	12.86	Not Registered
United Co-Operatives, Inc.			
Unico Stock Dip and Disinfectant			
Coal tar acids	11.00	10.45	Passed
Whitmoyer Laboratories, Inc.			
Whitmoyer Hydrol			
Cresylic acid	38.73	37.00	Passed
Whitmoyer Hydrol Concentrate			
Cresylic acid	100.00	100.00	Not Registered
PHOSDRIN			
Planters Chemical Corp.			
Division of Thompson-Hayward Chemical Co.			
Planters 2% Phosdrin Dust			
Phosdrin	2.00	1.01	Deficient
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 2% Phodrin Insecticide Dust			
Phosdrin	2.00	1.96	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PHOSPHORUS			
Common Sense Manufacturing Co.			
Common Sense Rat Preparation			
Phosphorus	2.00	2.01	Passed
John Opitz, Inc.			
J-O Paste Kills Roaches and Rats			
Phosphorus	1.38	1.43	Passed
do	1.38	1.53	Passed
do	1.38	1.00	Deficient
Pearson and Co.			
Pearson's Poison Paste			
Phosphorus	2.00	2.06	Not Registered
Stearn's Electric Paste Co.			
Stearn's Electric Brand Rat and Roach Paste			
Phosphorus	2.50	2.31	Passed
PINE OIL			
Cumberland Manufacturing Co.			
Swan Pine Oil Disinfectant, Deodorant, Germicide			
Pine oil	80.00	80.55	Not Registered
McKesson Laboratories			
McKesson Pinotol			
Pine oil	80.00	80.31	Passed
Rigo Manufacturing Co.			
House of Rigo PineGard			
Pine oil	60.00	60.60	Not Registered
PINE OIL—O-CHLORO-P-PHENYLPHENOL			
American Cyanamid Co.			
Pine-Sol			
Pine oil	35.20	34.13	Passed
0-chloro-p-phenylphenol	1.00	1.15	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
International Distributors			
Pine Mist Disinfectant			
Pine oil	12.50	12.53	Not Registered
0-chloro-p-phenylphenol	5.25	5.30	
PIVAL			
All Star Mills, Inc.			
Rat-Mice Killer Bait			
Pival	0.50	0.47	Not Registered
Cessco, Inc.			
Bait-Tox Kill Rats and Mice			
Pival	0.025	0.020	Passed
Bait-Tox Ready-Mixed Rat Bait			
Pival	0.025	0.026	Passed
FCX, Inc.			
FCX Trackdown Ready-To-Use Rat and Mouse Bait			
Pival	0.025	0.021	Passed
do	0.025	0.040	Passed
The Master Products Co.			
Kills-Mor Rat and Mice Killer			
Pival	0.025	0.021	Passed
PIVALYN			
Ralston Purina Co.			
Purina Mouse Kill			
Pivalyn	0.0275	0.0250	Passed
do	0.0275	0.0268	Passed
do	0.0275	0.0265	Passed
POLYRAM			
Coastal Chemical Corp.			
Coastal Polyram 5 Dust Fungicide			
Polyram	5.00	5.67	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Daly-Herring Co.

D-H Polyram 3.5 Dust	3.50	3.40	Not Registered
Polyram	3.50	3.40	

W. R. Grace and Co.

Maxwell Insecticides Polyram 5 Dust	5.00	4.76	Passed
Polyram	5.00	4.76	

POLYRAM—BORON**Niagara Chemical Div.
FMC Corp.**

Niagara Polyram 5 Boron Dust (with Borax)

Polyram	5.00	5.26	Passed
Boron	3.34	3.16	

PYRETHRINS**McCormick and Company, Inc.**

Bee Brand Insect Powder

Pyrethrins	0.75	0.84	Passed

Pic Corp.

Pic Repels Mosquitos Quick

Pyrethrins	0.50	0.62	Passed

**Real-Kill Products
Division of Cook Chemical Co.**

Real-Kill Insect Spray

Pyrethrins	0.075	0.093	Passed

**PYRETHRINS—DI-N-PROPYL
ISOCINCHOMERONATE—
N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—
PIPERONYL BUTOXIDE****Ralston Purina Co.**

Rub-on Horse Insecticide

Pyrethrins	0.10	0.14	Passed
Di-n-propyl isocincheronate	0.70		
N-octyl bicycloheptene			
dicarboximide	0.35		
Piperonyl butoxide	0.20	0.17	
Theoretical nitrogen	0.06	0.06	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pyrethrins	0.10	0.11	Passed
Di-n-propyl isocinchomeronate	0.70		
N-octyl bicycloheptene dicarboximide	0.35		
Piperonyl butoxide	0.20	0.21	
Theoretical nitrogen	0.06	0.06	

**PYRETHRINS—LETHANE 384
—PIPERONYL BUTOXIDE**

Gulf Oil Corp.

Gulf Livestock Spray

Pyrethrins	0.05	0.08	Passed
Lethane 384	0.60	0.68	
Piperonyl butoxide	0.25	0.24	

**PYRETHRINS—PIPERONYL—
BUTOXIDE**

Aquarium Supply Co.

Permalife Hamster Spray Mist

Pyrethrins	0.045	0.010	Deficient
Piperonyl butoxide	0.090	0.007	

The Borden Chemical Co.

Smith-Douglass Div.

Nutro Home and Garden Bug Blaster

Pyrethrins	0.25	0.19	Deficient
Piperonyl butoxide	0.90	0.74	

Chemkare Corp.

Kem Aids 444 Semi-Concentrated Insecticide

Pyrethrins	0.20	0.30	Not Registered
Piperonyl butoxide	1.00	0.99	

Chevron Chemical Co.

Ortho Div.

Ortho Farm and Home Insect Spray

Pyrethrins	0.20	0.20	Passed
Piperonyl butoxide	0.50	0.43	

Ortho Household Insect Bomb

Pyrethrins	0.20	0.20	Passed
Piperonyl butoxide	0.50	0.59	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Ortho Household Insect Spray			
Pyrethrins	0.20	0.15	Passed
Piperonyl butoxide	0.50	0.48	
Ortho Mosquito and Fly Bomb			
Pyrethrins	0.20	0.15	Passed
Piperonyl butoxide	0.50	0.52	
Daly-Herring Co.			
Dee Aitch Mill Spray			
Pyrethrins	0.14	0.16	Passed
Piperonyl butoxide	1.40	1.42	
The d-Con Company, Inc.			
d-Con Warpath Kills Roaches			
Pyrethrins	0.10	0.12	Passed
Piperonyl butoxide	1.00	0.94	
Douglas Chemical Co.			
Douglas Special Mill Spray			
Pyrethrins	0.14	0.19	Passed
Piperonyl butoxide	1.39	1.34	
Pyrethrins	0.14	0.17	Passed
Piperonyl butoxide	1.39	1.47	
Gardner Supply Co.			
Toxene Insecticide			
Pyrethrins	0.20	0.24	Not Registered
Piperonyl butoxide	1.00	0.98	
Geisler Pet Products			
Geisler No Mite Spray			
Pyrethrins	0.09	0.08	Not Registered
Piperonyl butoxide	0.18	0.18	
The Great Atlantic and Pacific Tea Co.			
Bright Sail Insect Killer			
Pyrethrins	0.30	0.30	Passed
Piperonyl butoxide	0.60	0.66	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Gulf Oil Corp.			
Gulf Spray (Flying Insects)			
Pyrethrins	0.25	0.22	Passed
Piperonyl butoxide	1.25	1.51	
Hartz Mountain Products Corp.			
Hartz Mountain Flea Soap for Dogs			
Pyrethrins	0.025	0.030	Passed
Piperonyl butoxide	0.050	0.040	
Hartz Mountain Cat Flea and Tick Killer			
Pyrethrins	0.06	0.06	Passed
Piperonyl butoxide	0.12	0.15	
Hartz Mountain Dog Flea and Tick Killer			
Pyrethrins	0.06	0.07	Passed
Piperonyl butoxide	0.12	0.15	
Hot Shot Quality Products, Inc.			
Hot Shot Fly and Mosquito Insect Killer			
Pyrethrins	0.075	0.126	Passed
Piperonyl butoxide	0.150	0.150	
Pyrethrins	0.075	0.090	Passed
Piperonyl butoxide	0.150	0.120	
Hot Shot Liquid Fly and Mosquito Insect Killer			
Pyrethrins	0.075	0.090	Passed
Piperonyl butoxide	0.150	0.110	
Hot Shot House and Garden (Pest) Killer (Pressurized)			
Pyrethrins	0.25	0.28	Passed
Piperonyl butoxide	0.80	0.91	
S. C. Johnson and Son, Inc.			
Raid Flying Insect Killer			
Pyrethrins	0.20	0.15	Passed
Piperonyl butoxide	0.80	1.20	
The Kroger Co.			
Kroger Kandu House and Garden Insect Killer			
Pyrethrins	0.25	0.29	Passed
Piperonyl butoxide	0.80	0.80	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Real-Kill Products			
Division of Cook Chemical Co.			
Real-Kill House and Garden Bomb			
Pyrethrins	0.23	0.19	Passed
Piperonyl butoxide	0.46	0.42	
Rexall Drug and Chemical Co.			
Rexall Flying Insect Killer			
Pyrethrins	0.30	0.30	Not Registered
Piperonyl butoxide	0.60	0.54	
Starbar, Inc.			
Division of Thuron Industries, Inc.			
Starbar Swish Horse Fly Repellent			
Pyrethrins	0.10	0.13	Passed
Piperonyl butoxide	0.20	0.24	
United Co-Operatives, Inc.			
Unico House and Garden Insect Bomb			
Pyrethrins	0.25	0.31	Passed
Piperonyl butoxide	1.00	0.94	
PYRETHRINS—SULFUR			
Dr. Clayton's Dog and Cat Remedies			
Dr. Clayton's Dog and Cat Kilflea Powder			
Pyrethrins	0.23	0.30	Not Registered
Sulfur	25.00	24.73	
RONNEL			
The Dow Chemical Co.			
Dow Korlan 24 E			
Ronnel	24.00	24.03	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
RONNEL—PHENOLS			
Carbola Chemical Company, Inc.			
Carbola Disinfecting White Paint			
Ronnel	0.50	0.52	Passed
Phenols	1.60	1.66	
Ronnel	0.50	0.76	Passed
Phenols	1.60	1.58	
 ROTENONE			
Acme Quality Paints, Inc.			
Acme Garden Guard			
Rotenone	1.00	0.55	Deficient
 Alford Home Products			
Alfords Insect Dust			
Rotenone	1.00	0.85	Passed
 Chevron Chemical Co.			
Ortho Div.			
Ortho Rotenone Dust or Spray			
Rotenone	1.00	0.91	Passed
 E-Z-Flo Chemical Co.			
Rotenone 1 D			
Rotenone	1.00	0.61	Deficient
 GurMiCo Chemicals, Inc.			
GurMiCo Rotenone 1% Dust			
Rotenone	1.00	0.85	Passed
do	1.00	0.89	Passed
 Hess and Clark			
Division of Richardson Merrell, Inc.			
Hess and Clark Powdered Louse Killer			
Rotenone	0.50	0.57	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nott Manufacturing Company, Inc.			
Nott Super Flea-Not Powder			
Rotenone	1.00	1.15	Passed
W. R. Peele Company, Inc.			
1% Rotenone Dust			
Rotenone	1.00	0.96	Passed
William Cooper and Nephews, Inc.			
Pulvex Foam Shampoo			
Rotenone	0.10	Present	Not Registered
Cooper Cattle Grub and Louse Powder			
Rotenone	1.50	1.86	Not Registered
do	1.50	1.42	Passed
Woolfolk Chemical Works, Ltd.			
Security Mexide 1% Rotenone Dust			
Rotenone	1.00	1.06	Passed
ROtenone— DICHLOROPHENe— HEXACHLOROPHENe— PYRETHRINS			
Dr. LeGear, Inc.			
LeGear Flea and Tick Spray			
Rotenone	0.10	Present	Passed
Dichlorophene	0.15		
Hexachlorophene	0.10		
Pyrethrins	0.10	0.11	
Theoretical chlorine	0.09	0.11	
Rotenone	0.10	Present	Passed
Dichlorophene	0.15		
Hexachlorophene	0.10		
Pyrethrins	0.10	0.09	
Theoretical chlorine	0.09	0.09	
ROtenone— METHOXYCHLOR—ZINEB			
Acme Quality Paints, Inc.			
Acme All Round Dust			
Rotenone	0.75	Present	Passed
Methoxychlor	5.00	5.65	
Zineb	5.20	4.95	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ROtenone—PINE OIL			
Hilo Products, Inc.			
Hilo Dip Concentrate Rinse			
Rotenone	1.00	Present	Passed
Pine oil	71.00	71.69	
Rotenone	1.00	Present	Passed
Pine oil	71.00	70.68	
LeGear Laboratories, Inc.			
LeGear Back Rubber Concentrate			
Rotenone	5.00	Present	Not Registered
Pine oil	10.00	Present	
ROtenone—PIPERONYL BUTOXIDE—PYRETHRINS			
Boyle-Midway, Inc.			
Antrol African Violet and House Plant Insect Bomb			
Rotenone	0.140	Present	Passed
Piperonyl butoxide	0.25	0.28	
Pyrethrins	0.025	0.030	
Chevron Chemical Co. Ortho Div.			
Ortho Indoor Plant Insect Spray			
Rotenone	0.130	Present	Passed
Piperonyl butoxide	0.250	0.250	
Pyrethrins	0.020	0.026	
Pet'm Laboratories			
Pet'm Shampoo Bar			
Rotenone	0.025	Present	Passed
Piperonyl butoxide	0.500	0.470	
Pyrethrins	0.050	0.050	
ROtenone—PYRETHRINS			
Aerosol Specialties			
Modern Living Rose and Flower Bomb			
Rotenone	0.008	Present	Passed
Pyrethrins	0.056	0.060	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Arlan's Department Stores

Arlan's Rose and Floral Spray

Rotenone	0.008	Present	Passed
Pyrethrins	0.056	0.079	

**ROTIENONE—PYRETHRINS
—SULFUR****Southern Agricultural Insecticides, Inc.**

SA-50 Brand Garden Dust for Mexican Bean Beetle

Rotenone	0.50	0.50	Passed
Pyrethrins	0.04	0.10	
Sulfur	18.00	18.35	

ROTIENONE—SULFUR**FCX, Inc.**

FCX Cattle Grub and Louse Powder

Rotenone	1.60	1.40	Passed
sulfur	45.00	45.98	
Rotenone	1.60	1.46	Passed
Sulfur	45.00	46.29	

W. R. Grace and Co.

Maxwell Insecticides Rotenone-Sulphur 1-15 Dust

Rotenone	1.00	0.82	Deficient
Sulfur	15.00	13.82	

LeGear Laboratories, Inc.

LeGear Louse Powder

Rotenone	1.70	1.89	Passed
Sulfur	8.00	8.20	

Ralston Purina Co.

Purina Lice and Grub Killer

Rotenone	1.67	1.65	Passed
Sulfur	50.00	51.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SABADILLA			
GurMiCo Chemicals, Inc.			
GurMiCo 20% Sabadilla Dust			
Sabadilla alkaloids	0.80	0.96	Passed
Maxwell Insecticide Co.			
Maxwell Insecticides 20% Sabadilla Dust			
Sabadilla alkaloids	0.80	0.89	Passed
Pearson and Co.			
Red-Devil Dust Containing 20% Sabadilla			
Sabadilla alkaloids	0.80	0.99	Passed
do	0.80	0.91	Not Registered
SEVIN			
Acme Quality Paints, Inc.			
Acme Insecticide Div.			
Acme Sevin 50 W			
Sevin	50.00	52.22	Passed
Allied Drug Products Co.			
Allied Flea Killer			
Sevin	5.00	5.20	Passed
do	5.00	3.45	Deficient
Allied Mills, Inc.			
Wayne Sevidust/5			
Sevin	5.00	5.65	Passed
do	5.00	5.39	Not Registered
Blue Chemical Company, Inc.			
Thor Brand 5% Sevin Dust Insecticide			
Sevin	5.00	5.27	Passed
do	5.00	5.58	Passed
Thor Brand 10% Sevin Dust Insecticide			
Sevin	10.00	10.78	Passed
do	10.00	7.03	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
Champion Sevin 1.75% Dust			
Sevin	1.75	2.31	Not Registered
10% Sevin Dust			
Sevin	10.00	9.91	Passed
Chevron Chemical Co.			
Ortho Div.			
Ortho Sevin 5 Dust			
Sevin	5.00	5.71	Passed
do	5.00	5.28	Passed
do	5.00	5.01	Passed
do	5.00	5.66	Passed
do	5.00	5.23	Passed
do	5.00	5.41	Passed
Ortho Sevin Garden Spray			
Sevin	50.00	50.87	Passed
Daly-Herring Co.			
Dee Aitch 5% Sevin Dust			
Sevin	5.00	4.79	Passed
D-H 10% Sevin Dust			
Sevin	10.00	10.38	Passed
Dragon Chemical Corp.			
NOK OUT 5% Sevin Dust			
Sevin	5.00	5.07	Passed
E-Z-Flo Chemical Co.			
Superkill 1 3/4% Sevin Dust			
Sevin	1.75	6.14	Excessive Active Ingredient
Sevin 5 Dust			
Sevin	5.00	4.81	Passed
do	5.00	5.36	Passed
Sevin 10 Dust			
Sevin	10.00	10.11	Passed

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
FCX, Inc.				
FCX 5% Sevin Dust				
Sevin	5.00	4.94	Passed	
do	5.00	4.82	Passed	
do	5.00	5.31	Passed	
W. R. Grace and Co.				
Maxwell Insecticides 5% Sevin Tobacco Dust				
Sevin	5.00	5.09	Passed	
Graham Chemical Company, Inc.				
Red Star Sevin Dust				
Sevin	2.50	1.18	Deficient	
do	2.50	2.61	Passed	
GurMiCo Chemicals, Inc.				
GurMiCo 10% Sevin Dust				
Sevin	10.00	10.33	Passed	
Joro, Inc.				
Nok-Out 175 Dust				
Sevin	1.75	1.89	Passed	
Nok-Out 500 Dust				
Sevin	5.00	5.32	Passed	
Kerr-McGee Chemical Corp.				
Lightning Brand 10% Sevin Dust				
Sevin	10.00	9.51	Passed	
Miller Chemical and Fertilizer Corp.				
Miller 5% Sevin Insecticide Dust				
Sevin	5.00	5.40	Not Registered	
Olin Mathieson Chemical Corp.				
Olin Sevin 10% Dust				
Sevin	10.00	10.89	Passed	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pearson and Co.			
Pearson's 5% Sevin Dust Beetle Killer			
Sevin	5.00	5.31	Passed
W. R. Peele Company, Inc.			
2% Sevin Dust			
Sevin	2.00	1.26	Deficient
Sevin 10 Dust			
Sevin	10.00	9.54	Passed
do	10.00	10.22	Passed
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters 5% Sevin Dust			
Sevin	5.00	5.10	Passed
B. G. Pratt Co.			
Pratt Flowable Sevin			
Sevin	41.80	42.28	Passed
Rigo Manufacturing Co.			
Kill-Ko Flea Powder			
Sevin	5.00	3.06	Deficient
do	5.00	3.60	Deficient
do	5.00	3.61	Deficient
Kill-Ko 5% Sevin Vegetable Dust			
Sevin	5.00	5.64	Passed
Kill-Ko 80% Sevin Wettable			
Sevin	80.00	79.69	Passed
F. S. Royster Guano Co. Royster Chemical Div.			
Chem-Pest Sevin 5 Insecticide Dust			
Sevin	5.00	5.05	Passed
Sears, Roebuck and Co.			
Sears Sevin 50W Insecticide			
Sevin	50.00	53.09	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Div. The Borden Chemical Co.			
Sevin 5% Dust			
Sevin	5.00	5.22	Passed
do	5.00	5.95	Passed
Sevin 10% Dust			
Sevin	10.00	9.97	Passed
do	10.00	10.49	Passed
do	10.00	11.57	Passed
do	10.00	10.35	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 5% Sevin Dust			
Sevin	5.00	5.62	Not Registered
Royal Brand 10% Sevin Cotton Dust			
Sevin	10.00	10.54	Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 1.75% Dust			
Sevin	1.75	2.09	Passed
SA-50 Brand 3% Sevin Dust			
Sevin	3.00	3.53	Passed
SA-50 Brand Cat and Dog Flea and Tick Dust			
Sevin	5.00	5.00	Passed
SA-50 Brand 50% Wettable Insecticide			
Sevin	50.00	53.49	Passed
Weston Products Co.			
Dr. Douglas' Flea and Tick Powder			
Sevin	5.00	4.87	Passed
Woolfolk Chemical Works, Ltd.			
Security 1 3/4% Sevin Bean Dust			
Sevin	1.75	1.88	Passed
Security Flea and Tick Kill			
Sevin	5.00	5.23	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Security 5% Sevin Dust			
Sevin	5.00	5.28	Passed
do	5.00	5.17	Passed
Security 7½% Sevin Dust			
Sevin	7.50	7.26	Passed
Security 10% Sevin Dust			
Sevin	10.00	10.44	Passed

SEVIN—CAPTAN**Polk Miller Products Corp.**

Sergeant's Flea and Tick Powder

Sevin	5.00	5.17	Passed
Captan	0.30	0.33	

SEVIN—CHLORANIL**Polk Miller Products Corp.**

Sergeant's Flea and Tick Powder

Sevin	5.00	5.89	Passed
Chloranil	5.00	5.50	

SEVIN—COPPER**Planters Chemical Corp.****Division of Thompson-Hayward Chemical Co.**

Planters 3% Sevin 7% Copper Dust

Sevin	3.00	3.20	Passed
Copper as metallic	7.00	7.20	

SEVIN—COPPER—SULFUR**Blue Chemical Company, Inc.**

Thor Brand 5% Sevin 4% Copper 75% Sulfur Dust

Sevin	5.00	4.71	Not Registered
Copper as metallic	4.00	3.91	
Sulfur	75.00	72.90	
Sevin	5.00	4.66	Deficient
Copper as metallic	4.00	3.60	
Sulfur	75.00	73.15	
Sevin	5.00	5.20	Deficient
Copper as metallic	4.00	3.57	
Sulfur	75.00	73.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
Peanut King			
Sevin	5.00	3.99	Deficient
Copper as metallic	4.00	2.76	
Sulfur	80.00	75.40	
Sevin	5.00	4.89	Deficient
Copper as metallic	4.00	2.78	
Sulfur	80.00	75.75	
Chevron Chemical Co.			
Ortho Div.			
Ortho Sevin Copper-Sulfur 5-4-80 Peanut Dust			
Sevin	5.00	5.52	Passed
Copper as metallic	4.00	3.66	
Sulfur	80.00	81.75	
Daly-Herring Co.			
D-H 4% Metallic Copper 5% Sevin-74% Sulphur Peanut Dust			
Sevin	5.00	5.06	Passed
Copper as metallic	4.00	3.97	
Sulfur	74.00	72.15	
E-Z-Flo Chemical Co.			
Copper-Sevin-Sulphur Peanut Dust			
Sevin	5.00	5.46	Passed
Copper as metallic	4.00	4.05	
Sulfur	80.00	79.50	
Sevin	5.00	5.83	Passed
Copper as metallic	4.00	3.96	
Sulfur	80.00	79.55	
FCX, Inc.			
FCX Copper-Sulphur-Sevin Dust			
Sevin	5.00	4.86	Deficient
Copper as metallic	4.00	4.07	
Sulfur	80.00	75.80	
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Insecticides Copper-Sevin-Sulphur Peanut Dust 4-5-75			
Sevin	5.00	4.71	Passed
Copper as metallic	4.00	4.34	
Sulfur	75.00	75.00	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Kerr-McGee Chemical Corp.			
Lightning Brand 5% Sevin 4% Copper 75% Sulfur Dust			
Sevin	5.00	4.87	Passed
Copper as metallic	4.00	3.70	
Sulfur	75.00	74.76	
Meherrin Agricultural and Chemical Co.			
Red Kay Copper-Sevin-Sulphur Peanut Dust 4-5-75			
Sevin	5.00	5.17	Deficient
Copper as metallic	4.00	3.29	
Sulfur	75.00	74.75	
Niagara Chemical Div. FMC Corp.			
Copper 4 Sevin 5 Sulfur 80 Peanut Dust			
Sevin	5.00	5.75	Passed
Sulfur	4.00	4.19	
Copper as metallic	80.00	80.90	
Olin Mathieson Chemical Corp.			
Peanut Dust 4-5-80 (Cop-Sevin-Sul)			
Sevin	5.00	4.97	Passed
Copper as metallic	4.00	4.05	
Sulfur	80.00	79.45	
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters Sevin-Copper-Sulfur Dust for Peanuts			
Sevin	5.00	5.66	Passed
Copper as metallic	4.00	3.91	
Sulfur	75.00	76.35	
Smith-Douglass Div. The Borden Chemical Co.			
Sevin-Copper-Sulfur Dust for Peanuts			
Sevin	5.00	4.78	Passed
Copper as metallic	4.00	3.75	
Sulfur	75.00	72.85	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stauffer Chemical Co.			
Copper-Sevin-Sulfur 4-5-80 Dust			
Sevin	5.00	5.95	Passed
Copper as metallic	4.00	3.79	
Sulfur	80.00	81.60	
Swift and Co.			
Agricultural Chemical Div.			
Swift's Gold Bear 5% Sevin 4% Copper 75% Sulfur Dust			
Sevin	5.00	5.10	Not Registered
Copper as metallic	4.00	3.98	
Sulfur	75.00	74.24	
SEVIN—DICHLOROPHENE			
Happy Jack, Inc.			
Happy Jack Flea-Tick Powder			
Sevin	5.00	5.49	Passed
Dichlorophene	1.00	1.10	
Sevin	5.00	4.75	Passed
Dichlorophene	1.00	1.00	
Chas. Pfizer and Company, Inc.			
Pfizer Flea and Tick Powder			
Sevin	5.00	5.14	Passed
Dichlorophene	0.50	0.54	
SEVIN—HEXACHLOROPHENE —PIPERONYL BUTOXIDE— PYRETHRINS			
Pet Chemicals			
Holiday Medicated Pet Spray for All Dogs			
Sevin	0.50	0.61	Not Registered
Hexachlorophene	0.50	0.61	
Piperonyl butoxide	1.00	0.99	
Pyrethrins	0.15	0.19	
SEVIN—MALATHION			
W. R. Peele Company, Inc.			
Sevin-Malathion Dust			
Sevin	3.00	2.80	Passed
Malathion	3.00	3.57	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SEVIN—MANEB			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Tomato and Potato Dust			
Sevin	5.00		
Maneb	5.00		Passed
Theoretical nitrogen	0.88	1.02	
Swift and Co. Agricultural Chemical Div.			
Swift's Tomato Dust			
Sevin	5.00	3.61	Deficient
Maneb	4.20	0.92	Misbranded
Sevin	5.00		Misbranded
Maneb	4.20		
Theoretical nitrogen	0.79	0.84	
Sevin	5.00		Deficient
Maneb	4.20	0.10	
Theoretical nitrogen	0.79	0.36	
SEVIN—METALDEHYDE			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Kill Land Snails and Slugs			
Sevin	4.25	4.65	Passed
Metaldehyde	3.25	3.60	
SEVIN—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PIPERONYL BUTOXIDE —PYRETHRINS			
Kennel Products Co.			
K.P.C. Pet Spray for Cats and Dogs			
Sevin	0.50		Deficient
N-octyl bicycloheptene dicarboximide	0.33		Not Registered
Piperonyl butoxide	0.20	0.17	
Pyrethrins	0.10	0.09	
Theoretical nitrogen	0.05	0.02	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SEVIN—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PIPERONYL BUTOXIDE— PYRETHRINS—2,2 THIOBIS -(4-CHLORO-6- METHYLPHENOL)			
Chas. Pfizer and Company, Inc.			
Pfizer Flea Bomb and Deodorant			
Sevin	0.50		Not Registered
N-octyl bicycloheptene dicarboximide	0.17		
Piperonyl butoxide	0.10	0.12	
Pyrethrins	0.05	0.07	
2,2 thiobis-(4-chloro-6-methylphenol)	0.10	0.09	
Theoretical nitrogen	0.04	0.05	
SEVIN—PARATHION			
E-Z-Flo Chemical Co.			
Tobacco Dust No. 51			
Sevin	5.00	4.86	Not Registered
Parathion	1.00	1.13	
Olin Mathieson Chemical Corp.			
Olin Sevin 5%-Parathion 1% Tobacco Dust			
Sevin	5.00	6.02	Passed
Parathion	1.00	0.88	
SEVIN—PHALTAN— PIPERONYL BUTOXIDE— PYRETHRINS—ROtenone			
Not Manufacturing Company, Inc.			
Beetle-Not			
Sevin	1.00		Not Registered
Phaltan	0.70		
Piperonyl butoxide	0.256	0.254	
Pyrethrins	0.025	Present	
Rotenone	0.128	Present	
Theoretical nitrogen	0.10	0.15	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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SEVIN—POLYRAM**Coastal Chemical Corp.**

Polyram 5 Sevin 5 Dust

Sevin	5.00	5.28	Deficient
Polyram	5.00	4.41	
Sevin	5.00	4.91	Passed
Polyram	5.00	5.16	

W. R. Grace and Co.

Maxwell Insecticides—Naco Polyram-Sevin

5-5 Dust

Sevin	5.00		Passed
Polyram	5.00	4.66	
Theoretical nitrogen	0.87	0.97	

Niagara Chemical Div.**FMC Corp.**

Polyram 5 Sevin 5 Dust

Sevin	5.00	4.67	Passed
Polyram	5.00	5.31	

SEVIN—ROtenone**Sears, Roebuck and Co.**

Sears Vegetable Garden Dust

Sevin	7.00	7.05	Passed
Rotenone	1.00	0.92	
Sevin	7.00	6.94	Passed
Rotenone	1.00	0.95	

SEVIN—SULFUR**Dragon Chemical Corp.**

Blue Dragon 2% Sevin

Sevin	2.00	2.64	Deficient
Sulfur	10.00	7.52	
Sevin	2.00	2.10	Passed
Sulfur	10.00	9.63	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
E-Z-Flo Chemical Co.			
Sevin 5 Sulfur 85			
Sevin	5.00	5.00	Passed
Sulfur	85.00	85.55	
J. M. Harris and Company, Inc.			
Blue Dragon Contains 2% Sevin			
Sevin	2.00	2.24	Passed
Sulfur	10.00	9.65	
Meherrin Agricultural and Chemical Co.			
Red Kay Sevin-Sulphur Peanut Dust 5-75			
Sevin	5.00	5.29	Passed
Sulfur	75.00	73.30	
Southern Agricultural Chemicals, Inc.			
Royal Brand Sevin Bean Dust with Sulfur			
Sevin	5.00	5.34	Not Registered
Sulfur	20.00	19.25	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 3% Sevin-50% Sulfur			
Sevin	3.00	3.30	Passed
Sulfur	50.00	49.08	
Standard Spray and Chemical Co.			
Standard Brand 5% Sevin 75% Sulfur Dust			
Sevin	5.00	5.29	Passed
Sulfur	75.00	75.60	
Swift and Co.			
Agricultural Chemical Div.			
5% Sevin 75% Sulfur Dust			
Sevin	5.00	4.95	Not Registered
Sulfur	75.00	74.87	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SEVIN—SULFUR—ZINEB			
Acme Insecticides Div. Acme Quality Paints, Inc.			
Tomato Vegetable Dust			
Sevin	3.00		
Sulfur	20.00	20.90	Passed
Zineb	5.20		
Theoretical nitrogen	0.74	0.82	
SEVIN—ZINEB			
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters 5% Sevin-Zineb Dust			
Sevin	5.00	4.72	Deficient
Zineb	3.90	3.50	
Woolfolk Chemical Works, Ltd.			
Security Vize O Guard Vegetable Dust			
Sevin	5.00	4.72	Deficient
Zineb	6.00	5.36	
SILVEX			
Chevron Chemical Co. Ortho Div.			
Ortho Chickweed and Clover Killer			
Iso-octyl ester of silvex	13.80	14.61	Passed
do	13.80	14.11	Passed
SODIUM CHLORATE— SODIUM METABORATE— 2-METHOXY 4,6-BIS (ISOPROPYLAMINO)-S- TRIAZINE			
Geigy Agricultural Chemicals			
Geigy Promitol 5P			
Sodium chlorate	40.00	38.52	Passed
Sodium metaborate	50.00	54.63	
2-Methyl 4,6-bis(isopropylamino)- s-triazine	5.00	5.39	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SODIUM CHLORATE— SODIUM METABORATE TETRAHYDRATE—DIURON			
United States Borax and Chemical Corp.			
Monobor-Chlorate Granular D			
Sodium chlorate	30.00	29.37	Passed
Sodium metaborate tetrahydrate	66.50	69.96	
Diuron	1.25	1.28	
SODIUM CHLORATE— SODIUM METABORATE TETRAHYDRATE— SIMAZINE			
Chevron Chemical Co. Ortho Div.			
Ortho Triox Vegetation Killer			
Sodium chlorate	30.00	29.15	Passed
Sodium metaborate tetrahydrate	67.00	68.88	
Simazine	1.00	1.31	
STRYCHNINE			
Arnott Exterminators, Inc.			
Arnco Mole and Gopher Killer			
Strychnine sulfate	1.00	1.15	Passed
Carajon Chemical Company, Inc.			
Force's Poison Peanuts			
Strychnine sulfate	0.50	0.65	Passed
Force's Poison Wheat			
Strychnine alkaloid	0.50	0.48	Passed
Force's Ro-Dex			
Strychnine alkaloid	0.50	0.50	Passed
O. E. Linck Div. Walco-Linck Corp.			
Tat Mo-Go			
Strychnine sulfate	0.50	0.65	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nip-Co Manufacturing, Inc.			
Mouse-Nip			
Strychnine sulfate	0.50	0.45	Passed
do	0.50	0.23	Deficient
Nott Manufacturing Company, Inc.			
Mole-Nots			
Strychnine sulfate	0.35	0.36	Passed
The Piper Company, Inc.			
Paket Mouse (Seed) Bait			
Strychnine sulfate	0.50	0.47	Not Registered
W. R. Sweeney Manufacturer, Inc.			
Sweeney's Poison Peanuts			
Strychnine alkaloid	0.30	0.31	Passed
do	0.30	0.30	Passed
do	0.30	0.33	Passed
SULFUR			
Acme Insecticide Div.			
Acme Quality Paints, Inc.			
Acme Wettable Dusting Sulphur			
Sulfur	95.00	96.30	Passed
Chevron Chemical Co.			
Ortho Div.			
Ortho Flotox Garden Sulfur			
Sulfur	90.00	90.80	Passed
Flag Sulphur and Chemical Co.			
Flag Dusting Sulphur			
Sulfur	93.00	92.80	Not Registered
Niagara Chemical Div.			
FMC Corp.			
Sulfodust			
Sulfur	93.00	92.25	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stauffer Chemical Co.			
Sulfur-Manganese 90-10 Dust			
Sulfur	80.00	79.75	Passed
Crown 90 Wettable Sulfur			
Sulfur	90.00	89.47	Passed
Triple-X Chemical Laboratories, Inc.			
Triple-X Sulphur Candles			
Sulfur	98.50	99.65	Not Registered
TERRACLOR			
Blue Chemical Company, Inc.			
Thor Brand Soil Fungicide No. 27			
Terraclor	20.00	20.09	Not Registered
Olin Mathieson Chemical Corp.			
Olin Terraclor Landplaster Mixture			
Terraclor	3.75	3.53	
Terraclor 40% Dust			
Terraclor	40.00	38.83	Passed
Olin Terraclor			
Terraclor	75.00	74.52	Passed
F. S. Royster Guano Co.			
Royster Chemical Div.			
Royster Snow Cap Landplaster with Terraclor or Equivalent for Peanuts			
Terraclor	3.75	3.94	Not Registered
Smith-Douglass Div.			
The Borden Chemical Co.			
S.D. Champi�n Landplaster with Terraclor for Peanuts			
Terraclor	3.75	3.67	Passed
The Upjohn Co.			
Acti-dione RZ Lawn Fungicide			
Terraclor	75.00	74.52	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
V. C. Chemical Co.			
V-C Phospho Plaster with Terraclor			
Terraclor	3.75	4.85	Passed
Velsicol Chemical Corp.			
Velsicol PCNB-40 DB			
Terraclor	40.00	38.57	Passed
TERRACLOR—DI-SYSTON—			
5-ETHOXY-3-			
TRICHLOROMETHYL			
1,2,4-THIADIAZOLE			
Olin Mathieson Chemical Corp.			
Terraclor Super X—Di-Syston			
Terraclor	6.50		Passed
Di-syston	6.50	6.67	
5-Ethoxy-3-trichloromethyl			
2,4-thiadiazole	1.63		
Theoretical chlorine	4.67	5.12	
THIODAN			
Niagara Chemical Div.			
FMC Corp.			
Niagara Thiodan Miscible Insecticide			
Thiodan	24.00	24.28	Passed
Olin Mathieson Chemical Corp.			
Olin Thiodan 3% Dust			
Thiodan	3.00	3.11	Not Registered
THIRAM			
Adkins-Phelps, Inc.			
Stimusoy			
Thiram	25.00	25.24	Passed
E. I. du Pont de Nemours and Co.			
Du Pont Arasan SF-X			
Thiram	75.00	77.42	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nott Manufacturing Company, Inc.			
Nott Heal-Rite Tree Wound Paint			
Thiram	1.00	1.06	Not Registered
TOXAPHENE			
Blue Chemical Company, Inc.			
Thor Brand 20% Toxaphene Dust			
Toxaphene	20.00	20.56	Not Registered
do	20.00	19.57	Misbranded
			Not Registered
Carolina Chemical Corp.			
Toxaphene E.C.			
Toxaphene	59.00	57.07	Passed
do	59.00	58.48	Passed
do	59.00	57.72	Passed
do	59.00	55.44	Deficient
Carolina Chemicals, Inc.			
Flight Brand Toxaphene Dust 20-0			
Toxaphene	20.00	19.42	Passed
Columbia Nitrogen Corp.			
Columbia Brand 20% Toxaphene Dust			
Toxaphene	20.00	18.79	Deficient
do	20.00	20.57	Not Registered
			Misbranded
			Not Registered
E-Z-Flo Chemical Co.			
Toxaphene EC			
Toxaphene	59.00	58.65	Passed
do	59.00	58.69	Passed
FCX, Inc.			
20-0 Toxaphene Dust			
Toxaphene	20.00	18.14	Deficient
FCX Toxaphene EC			
Toxaphene	60.00	59.52	Passed
do	60.00	58.01	Passed
do	60.00	57.88	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co.			
Maxwell Insecticides Toxaphene Emulsion 60			
Toxaphene	58.77	56.91	Passed
Meherrin Agricultural and Chemical Co.			
Red Kay 20% Toxaphene Cotton Dust			
Toxaphene	20.00	20.00	Passed
Olin Mathieson Chemical Corp.			
Toxaphene 20% Dust			
Toxaphene	20.00	20.29	Passed
W. R. Peele Company, Inc.			
20% Toxaphene Dust			
Toxaphene	20.00	20.15	Passed
Planters Chemical Corp.			
Planters 20% Toxaphene Dust			
Toxaphene	20.00	20.29	Passed
Smith-Douglass Div. The Borden Chemical Co.			
6# Toxaphene E.C.			
Toxaphene	60.00	60.21	Passed
Stauffer Chemical Co.			
Toxaphene 6-E			
Toxaphene	58.00	56.99	Passed
Swift and Co. Agricultural Chemical Div.			
20% Toxaphene Dust V20D			
Toxaphene	20.00	19.56	Passed
Woolfolk Chemical Works, Ltd.			
Security 20% Toxaphene Dust			
Toxaphene	20.00	20.43	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
TOXAPHENE—CHLORDANE			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Cut Worm and Mole Cricket Bait			
Toxaphene	2.00		
Chlordane	1.50		
Theoretical chlorine	2.38	2.65	Passed
TOXAPHENE—DDT			
Armour Agricultural Chemical Co.			
Armagard DDT-Toxaphene 7-14			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.15	Passed
Blue Chemical Company, Inc.			
Thor Brand 14-7 Toxaphene DDT Cotton Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.51	Passed
The Borden Chemical Co.			
Smith-Douglass Div.			
Toxaphene-DDT E.C.			
Toxaphene	40.00		
DDT	20.00		
Theoretical chlorine	36.80	36.60	Passed
Carolina Chemical Corp.			
Toxaphene-DDT Cotton Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.51	Passed
Cotton Special			
Toxaphene	40.00		
DDT	23.00		
Theoretical chlorine	38.30	34.91	Deficient
Toxaphene	40.00		
DDT	23.00		
Theoretical chlorine	38.30	34.00	Deficient
Toxaphene	40.00		
DDT	23.00		
Theoretical chlorine	38.30	34.53	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Chevron Chemical Co.			
Ortho Div.			
Ortho Toxaphene-DDT 14-7 Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.51	
Daly-Herring Co.			
D-H 14% Toxaphene 7% DDT Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.24	
E-Z-Flo Chemical Co.			
Superkill 14% Toxaphene 7% DDT			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	12.61	
Toxaphene, DDT 4:2 Emulsion			
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.53	
Toxaphene	40.00		Passed
DDT	20.00		
Theoretical chlorine	36.80	35.73	
FCX, Inc.			
FCX "42" Spray			
Toxaphene	38.70		Passed
DDT	19.30		
Theoretical chlorine	35.58	36.00	
W. R. Grace and Co.			
Maxwell Insecticides Toxaphene DDT Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Theoretical chlorine	12.88	13.25	
Maxwell Insecticides Toxaphene-DDT Emulsion 4-2			
Toxaphene	39.14		Passed
DDT	19.57		
Theoretical chlorine	36.01	36.09	
Toxaphene	39.14		Passed
DDT	19.57		
Theoretical chlorine	36.01	36.90	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Howerton Gowen Chemicals, Inc.			
Gowen's Toxaphene 14%-DDT 7% Cotton Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.33	Passed
Kaiser Agricultural Chemicals			
14-7 Toxaphene-DDT			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	11.23	Deficient
Meherrin Agricultural and Chemical Co.			
Red Kay DDT-Toxaphene 7-14 Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.42	Passed
Olin Mathieson Chemical Corp.			
Toxaphene 14-7 Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.88	Not Registered
Toxaphene 20%-DDT 10% Dust			
Toxaphene	20.00		
DDT	10.00		
Theoretical chlorine	18.40	17.20	Deficient Misbranded Not Registered
W. R. Peele Company, Inc.			
Toxaphene DDT			
Toxaphene	40.00		
DDT	20.00		
Theoretical chlorine	36.80	37.01	Passed
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters Toxaphene-DDT Cotton Dust			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.51	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Div. The Borden Chemical Co.			
Smith-Douglass Weevil King			
Toxaphene	14.00		
DDT	7.00		
Theoretical chlorine	12.88	12.51	Passed
Stauffer Chemical Co.			
Stauffer DDT-Toxaphene 2-4-E			
Toxaphene	39.10		
DDT	19.60		
Theoretical chlorine	36.00	36.85	Passed
TOXAPHENE—DDT— METHYL PARATHION			
Blue Chemical Company, Inc.			
Thor Brand 14-7-1 Tox-DDT-MP Dust			
Toxaphene	14.00		
DDT	7.00		
Methyl parathion	1.00	1.36	
Theoretical chlorine	12.88	12.15	Not Registered
The Borden Chemical Co. Smith-Douglass Div.			
Weevil Whammy			
Toxaphene	38.88		
DDT	19.45		
Methyl parathion	6.08	4.49	
Theoretical chlorine	35.78	34.90	Deficient
Carolina Chemical Corp.			
4-2.5 Super Cotton King			
Toxaphene	40.00		
DDT	20.00		
Methyl parathion	5.00	4.26	
Theoretical chlorine	36.80	33.77	Deficient
Carolina Chemicals, Inc.			
Flight Brand Methyl Parathion-Toxaphene-DDT Dust 2-14-7			
Toxaphene	14.00		
DDT	7.00		
Methyl parathion	2.00	1.83	
Theoretical chlorine	12.88	12.97	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
FCX, Inc.			
"421" Cotton Spray			
Toxaphene	37.30		Passed
DDT	18.70		
Methyl parathion	9.30	8.86	
Theoretical chlorine	34.34	34.18	
Toxaphene	37.30		Deficient
DDT	18.70		
Methyl parathion	9.30	7.18	
Theoretical chlorine	34.34	35.79	
W. R. Grace and Co.			
Maxwell Insecticides Cotton Spray-Plus			
Toxaphene	40.00		Passed
DDT	20.00		
Methyl parathion	5.00	4.69	
Theoretical chlorine	36.80	35.37	
Toxaphene	40.00		Deficient
DDT	20.00		
Methyl parathion	5.00	4.58	
Theoretical chlorine	36.80	36.85	
Kaiser Agricultural Chemicals			
Kaiser 4-2-1-Red			
Toxaphene	40.02		Passed
DDT	21.16		
Methyl parathion	9.57	9.43	
Theoretical chlorine	37.39	37.40	
Niagara Chemical Div. FMC Corp.			
Nynamite Dust			
Toxaphene	10.00		Passed
DDT	9.00		
Methyl parathion	1.20	1.01	
Theoretical chlorine	11.20	11.27	
Planters Chemical Corp. Division of Thompson-Hayward Chemical Co.			
Planters Toxaphene-DDT-Methyl Parathion Cotton Dust			
Toxaphene	14.00		Deficient
DDT	7.00		
Methyl parathion	2.00	1.59	
Theoretical chlorine	12.88	12.61	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Special Cotton Spray			
Toxaphene	38.88		Deficient
DDT	19.45		
Methyl parathion	4.85	4.28	
Theoretical chlorine	35.78	33.36	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear Super Guard 215D			
Toxaphene	10.00		Deficient
DDT	5.00		Not Registered
Parathion	2.50	2.15	
Theoretical chlorine	9.20	9.41	
TOXAPHENE—DDT— PARATHION			
Coastal Chemical Corp.			
14% Toxaphene 7% DDT 1% Parathion			
Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	0.92	
Theoretical chlorine	12.88	12.97	
E-Z-Flo Chemical Co.			
14% Toxaphene-7% DDT-1% Parathion Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	1.12	
Theoretical chlorine	12.88	12.70	
W. R. Grace and Co.			
Maxwell Insecticides 14-7-1 Cotton Dust			
Toxaphene	14.00		Passed
DDT	7.00		
Parathion	1.00	1.05	
Theoretical chlorine	12.88	12.88	
Howerton Gowen Chemicals, Inc.			
Gowen's 14% Toxaphene-7% DDT 1% Parathion Dust			
Toxaphene	14.00		Deficient
DDT	7.00		
Parathion	1.00	0.21	
Theoretical chlorine	12.88	12.15	

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.				
Super X Plus Dust				
Toxaphene	14.00			
DDT	7.00			Passed
Parathion	1.00	1.25		
Theoretical chlorine	12.88	13.07		
W. R. Peele Company, Inc.				
14% Toxaphene 7% DDT 1% Parathion				
Toxaphene	14.00			Passed
DDT	7.00			
Parathion	1.00	0.94		
Theoretical chlorine	12.88	13.25		
Toxaphene	14.00			Passed
DDT	7.00			
Parathion	1.00	0.96		
Theoretical chlorine	12.88	12.42		
TOXAPHENE—PARATHION				
Daly-Herring Co.				
D-H 20% Toxaphene 2% Parathion Dust				
Toxaphene	20.00	19.42		Passed
Parathion	2.00	2.03		
Mike, Inc.				
101 Brand 2-20 Cabbage Dust with Toxaphene				
Toxaphene	20.00	17.85		
Parathion	2.00	1.61		Deficient
Planters Chemical Corp.				
Division of Thompson-Hayward Chemical Co.				
Planters Toxaphene-Parathion Dust				
Toxaphene	20.00	19.86		Passed
Parathion	2.00	1.94		
Southern Agricultural Insecticides, Inc.				
SA-50 Brand Pre Heading Cabbage Dust				
Toxaphene	10.00	10.44		Passed
Parathion	1.50	1.59		
Toxaphene	10.00	10.07		Passed
Parathion	1.50	1.59		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Pre-Head Dust 2-20			
Toxaphene	20.00	18.79	Deficient
Parathion	2.00	2.15	
TOXAPHENE—SULFUR			
Olin Mathieson Chemical Corp.			
Olin Toxaphene-Sulphur Dust			
Toxaphene	20.00	17.86	Deficient
Sulfur	40.00	41.45	Not Registered
Toxaphene	20.00	17.14	Deficient
Sulfur	40.00	46.85	Not Registered
TOXAPHENE—ZINEB			
Planters Chemical Corp.			
Division of Thompson-Hayward Chemical Co.			
Planters Toxaphene—Zineb Dust			
Toxaphene	10.00	10.07	Passed
Zineb	3.90	4.55	
TRITHION			
E-Z-Flo Chemical Co.			
Trithion 2 Dust			
Trithion	2.00	2.70	Passed
Woolfolk Chemical Works, Ltd.			
Security 2% Trithion Dust			
Trithion	2.00	2.55	Passed
WARFARIN			
Allied Drug Products Co.			
Colonial-42 Kills Rats and Mice			
Warfarin	0.025	0.024	Not Registered
G. W. Best			
Rat and Mouse Killer			
Warfarin	0.025	0.035	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Black Leaf Products Co.			
Warf Pellets			
Warfarin	0.025	0.025	Not Registered
Warf with Prolin			
Warfarin	0.025	0.024	Passed
Boyle-Midway, Inc.			
Black Flag Rat and Mouse Killer with Prolin			
Warfarin	0.025	0.023	Passed
California Chemical Co.			
Ortho Div.			
Ortho Pelleted Rat and Mice Bait			
Warfarin	0.025	0.028	Passed
Carolina Garden and Farm Service, Inc.			
Carolina's Rat Bait			
Warfarin	0.025	0.024	Passed
do	0.025	0.034	Passed
Central Soya			
Master Mix Prolin Rat Bait			
Warfarin	0.025	0.030	Passed
Colonial Products, Inc.			
Colonial 42 Kills Rats and Mice			
Warfarin	0.025	0.023	Passed
do	0.025	0.027	Passed
do	0.025	0.028	Passed
The d-Con Company, Inc.			
d-Con Mouse Prufe Exclusive Patented Formula			
Sodium salt of warfarin	0.054	0.052	Passed
d-Con Warficide Kills Rats and Mice			
Sodium salt of warfarin	0.127	0.120	Passed
Dun-Win Co.			
Sylvan Dell Brand Flavorized Rat Kakes			
Warfarin	0.025	0.027	Passed

Manufacturers and Brands		Guaranteed Per Cent	Found Per Cent	Decisions
Everlab Company, Inc.				
Final Mouse Strips				
Warfarin	0.025	0.029	Passed	
Gould's Dell Products				
Flavorized Rat Kakes				
Warfarin	0.025	0.028	Passed	
Hess and Clerk				
Division of Richardson-Merrell, Inc.				
Hess and Clerk Warfarat Crumbles				
Warfarin	0.025	0.023	Passed	
do	0.025	0.027	Passed	
Hopkins Agricultural Chemical Co.				
Hopkins Prolin Pellets Rat and Mouse Killer				
Warfarin	0.025	0.025	Passed	
do	0.025	0.025	Passed	
do	0.025	0.027	Passed	
do	0.025	0.030	Passed	
Hydroponic Chemical Company, Inc.				
Raponex Warfarin Prepared Mouse Killer Bait				
Warfarin	0.025	0.025	Passed	
Dr. LeGear, Inc.				
LeGear Prolin Mouse Bait				
Warfarin	0.025	0.028	Passed	
The Master Products Co.				
Rat Buster				
Warfarin	0.025	0.028	Misbranded	
do	0.025	0.028	Passed	
do	0.025	0.026	Passed	
Nip-Co Manufacturing, Inc.				
Redi-Nips contains Warfarin				
Warfarin	0.025	0.027	Passed	
do	0.025	0.029	Passed	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nok-Out-Bam Chemical Company, Inc.			
Nok-Out-Bam Rat Poison			
Warfarin	0.025	0.024	Passed
Seacoast Laboratories, Inc.			
Twin Light Rat-Bait			
Warfarin	0.025	0.016	Deficient
Vineland Laboratories, Inc.			
Ratrid			
Warfarin	0.50	0.46	Not Registered
William E. Smith			
Cat in the Bag Rat Bait			
Warfarin	0.025	0.022	Passed
ZINEB			
Acme Insecticides Div. Acme Quality Paints, Inc.			
Acme Zineb 75W Fungicide			
Zineb	75.00	76.04	Passed
Black Leaf Products Co.			
Sheen Garden Fungicide			
Zineb	31.00	14.96	Deficient Not Registered
Cape Fear Chemicals, Inc.			
Tiger Brand 10% Dithane Dust			
Zineb	6.50	6.70	Passed
Carolina Chemical Corp.			
Champion 10% Dithane Z-78 Dust			
Zineb	6.50	6.15	Passed
Daly-Herring Co.			
D-H 10% Dithane Dust			
Zineb	6.50	6.20	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
E. I. du Pont de Nemours and Co.			
Du Pont Parzate C Zineb Fungicide			
Zineb	75.00	78.41	Passed
FCX, Inc.			
FCX 6.5% Zineb Dust			
Zineb	6.50	5.64	Deficient
W. R. Grace and Co.			
Maxwell Insecticides Dithane Dust			
Zineb	6.50	6.13	Passed
do	6.50	6.15	Passed
Planters Chemical Corp.			
Planters Zineb Dust			
Zineb	6.50	4.87	Deficient
Royster Chemical Co.			
Division F. S. Royster Guano Co.			
"65" 6.5% Parzate			
Zineb	6.50	3.92	Deficient Not Registered
Smith-Douglass Div.			
The Borden Chemical Co.			
6½% Zineb Dust			
Zineb	6.50	5.68	Deficient
ZINEB—KARATHANE			
Rigo Manufacturing Co.			
Kill-Ko Fungicide Spray			
Zineb	36.00	35.31	Not Registered
Karathane	4.00		
Theoretical nitrogen	3.97	4.52	
ZINEB—SULFUR			
Dawson Chemical Co.			
Sperlox-SZ			
Zineb	8.00	7.59	Deficient
Sulfur	40.00	47.40	
Zineb	8.00	8.30	Passed
Sulfur	40.00		
Theoretical sulfur	43.72	43.64	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
MISCELLANEOUS INORGANIC			
The Drackett Products Co.			
Drano			
Sodium hydroxide	54.20	57.84	Passed
Vanish Toilet Bowl Cleaner			
Sodium sulfate	75.00	73.94	Passed
Klenzade Products			
Division of Economics Lab.			
Klenzade Iodophor Formula ID-10			
Available iodine	1.75	1.57	Passed
Phosphoric acid	25.00	24.84	
Pearson and Co.			
Pearson's Rat Poison			
Zinc phosphide	2.00	2.16	Passed
The Rooto Corp.			
Rooto's Liquid Bowl Cleaner			
Hydrogen chloride	16.40	18.47	Not Registered
Woolfolk Chemical Works, Ltd.			
Security Lime Sulphur Solution			
Calcium polysulfide	30.00	32.35	Passed
Crown Frost Chemicals, Inc.			
MISCELLANEOUS—ORGANIC			
The Alcatraz Company, Inc.			
Alcatraz No. 400 Zinc Naphthenate Wood Preservative Pale Straw			
Zinc naphthenate	50.00		Not Registered
Zinc as metallic	4.00	3.86	
Amchem Products, Inc.			
Weedon Spot Grass and Weed Kill			
Amitrole	1.00	0.87	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
American Cyanamid Co. Agricultural Div.			
Aero Cyanamid Granular			
Calcium cyanamide	44.00		
Total nitrogen	20.50	20.18	Passed
Black Leaf Products Co.			
Black Leaf 40			
Nicotine alkaloid	40.00	40.78	Passed
Blue Chemical Company, Inc.			
Thor Brand Milan			
EPN	31.00		
Methyl parathion	31.00		Not Registered
Theoretical phosphorus	6.62	6.67	
The Cambridge Tile Manufacturing Co.			
New Corn Gard			
Isopropyl alcohol	75.60	75.67	Not Registered
Chemagro Corp.			
Systox Spray Concentrate Systemic Insecticide			
Demeton	28.50	27.07	Deficient
Chester Chemical Corp.			
Digas Stop Mildew and Musty Odors			
Paraformaldehyde	95.00	94.83	Passed
Chevron Chemical Co. Ortho Div.			
Ortho Phosphamidon 8 Spray			
Phosphamidon	74.50	75.08	Passed
Ciba Agrochemical Co.			
Cotoran 80 WP			
Cotoran	80.00	82.72	Passed
Daly-Herring Co.			
Paratrol Poultry Dust			
Co-Ral	0.50	0.56	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
The Dow Chemical Co.			
Dowpon The Modern Farm Grass Killer			
Sodium salt of dalapon	85.00	91.10	Passed
E. I. du Pont de Nemours and Co.			
Du Pont Ceresan Mercurial Seed Disinfectant			
Methyl mercury 2,3-dihydroxy- mercaptide	2.89		Passed
Methyl mercury acetate	0.62		
Mercury as metallic	2.25	2.24	
Geigy Agricultural Chemicals			
Geigy Acaralate 2 E			
Chloropropylate	25.20	25.52	Passed
Geigy Pramitol 25E			
Prometone	25.00	25.32	Passed
Hot Shot Quality Products, Inc.			
Hot Shot Moth Proofer and Carpet Beetle Killer (Pressurized)			
Strobane	5.00	4.90	Passed
Hydroponic Chemical Company, Inc.			
Nibonex Rabbit Repellent			
Zinc dimethyldithiocarbamate cyclohexylamine complex	23.00		Passed
Zinc as metallic	3.20	3.22	
Parramore and Griffin			
Cro Go			
Hardwood oils	7.50	7.28	Passed
Pennsalt Chemicals Corp. Agricultural Chemicals Div.			
10% Heptachlor Granular			
Heptachlor (Technical)	13.89	13.99	Not Registered
Ralston Purina Co.			
Raticide			
Shoxin	1.00	0.90	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Rigo Manufacturing Co.			
Kill-Ko Miticide			
Kelthane	6.00		
Tetradiphon	3.00		
Theoretical chlorine	4.06	4.52	
Shell Chemical Co.			
Agricultural Chemical Div.			
Shell D-D Soil Fumigant			
Chlorinated C ₈ hydrocarbons	100.00		
Chlorine	55.00	56.80	Passed
Stauffer Chemical Co.			
Eptam 6-E			
Eptam	75.50	77.36	Passed
Stauffer Vernam 6-E			
Vernam	75.90	77.91	Passed
Sudbury Laboratory			
Chaperone Indoor Repellent			
Oil of lemongrass	4.00	Present	Not Registered

